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Annual Progress Reports on forest Admn. In lower and Upper Burma for the year 1894-95

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From—DENZIL IBBETSON, ESQ., C.S.I., Officiating Secretary to the Government of India, Department of Revenue and Agriculture,

To—The Chief Commissioner of Burma.

Seria

I am directed to acknowledge the receipt of Mr. Gates' letter No. 206—2 R.-1, dated the 10th January 1896, forwarding the Annual Progress Reports on Forest Administration in Lower and Upper Burma for the year 1894-95, and to thank you for your comprehensive and interesting Resolution* on another year's good work and progress in the Forest Department under your charge. The Governor General in Council fully appreciates the good service done by the Conservators and the officers serving under them.

* No. 2 R.-1, dated 6th January 1896.

2. The progress made in reservation amounted to a net increase of 1,039 square miles, in addition to which 89 square miles were set apart for *taungya*-cutters within the reserve boundaries.

The Government of India notice with satisfaction that this system of providing circumscribed and well-defined areas within the reserve boundaries, for the *taungya*-cutting population found to exist at the time of settlement, continues to meet the difficulty of dealing with the tribes most wedded to this kind of cultivation. The Burma reserves, amounting to a gross area of 11,479 square miles, now contain 798 square miles of *taungya* areas, over which the hill tribes can practise, almost unchecked, their original method of cultivation; while the remaining area can be conserved as strictly as may be required. These figures speak for themselves, and show that Government has acquired a permanent forest property of constantly increasing value; and that, without any impolitic interference with the people in the exercise of what must necessarily be a more or less destructive method of cultivation, they have succeeded in checking its further spread at the cost of valuable forests.

3. The Government of India, whilst fully acknowledging the care and foresight with which forest-settlements in Burma have almost invariably been made, recognise that the satisfactory nature of the results is in great part due to the fact that the Karens have ever since found profitable employment in forest work, and especially in cultural operations, such as teak and cutch *taungyas*, in which their own method of cultivation has been utilized for the benefit of the forest. The fact that nearly 40,000 acres of such *taungyas*, the result of the last 22 years' work, existed at the end of the year under review, and that for their formation alone the people, who previously enjoyed but small opportunities of earning money, must have received at least six lakhs of rupees, shows how considerable are the benefits which they have derived from the system.

4. Whilst, however, the settlement of forest reserves is progressing as satisfactorily and rapidly as can be expected under the circumstances of the province, considerable difficulty is apparently experienced in the protection of reserved trees, especially of cutch, outside the reserved forest boundaries. In Lower Burma it is the *taungya*-cutter who causes the trouble; in Upper Burma, the claimant to proprietary rights in wood-land.

The Government of India favour, so far as this is feasible, a policy of non-interference with the agricultural habits of the people outside of the forest-reserve boundaries. In Burma, however, the work of reservation has not as yet been completed, while the *taungya* cultivation in the dry hills of Prome and

nay proved itself hostile not merely to forest reservation and consequently, cutch-boiling, one of the most paying industries in that part of the country, but even to agriculture itself, by impoverishing the soil and accelerating the floods in the streams. Under these circumstances the Government of India are constrained to agree with you that if the area of reserves within which extensive rights are admissible cannot be considerably enlarged, and *taungya* cultivation thus restricted within limited areas, some other check of a more general character must gradually be applied so as to confine shifting cultivation within areas set apart for this purpose.

During the year, the loss of revenue due to illicit cutch-boiling on so-called *bobbabaing* lands seems, to judge from the report of the Western Circle, to have been considerable ; but it is understood that a method has been introduced for dealing effectively with these vague claims to proprietary rights in wood-lands. The Government of India would be glad to receive a short and concise account of these claims, explaining their origin and the proposed method of dealing with them.

5. In addition to the work of forest-settlement and demarcation, which is constantly increasing, considerable progress was again made in the examination of new forest areas in Upper Burma. You say that more would have been done but for paucity of officers and the other important demands upon their services. No excuse is needed. It has been admitted that the general examination of forests, the execution of valuation-surveys, the collection of other data for working-plans, and their preparation even in a preliminary and informal shape, are more than can be accomplished by the existing staff of officers in addition to their ordinary administrative duties ; and in consequence of this fact the staff has now been considerably augmented, both in the superior and in the subordinate ranks.

6. Parties of the Survey of India and of the Forest Survey Branch were at work in the province. The progress made was satisfactory, and at the end of the year the area completed aggregated 4,479 square miles. These surveys doubtless involve a heavy annual expenditure ; but good maps are not merely a necessity for the preparation of working-plans and their control, but are also of the greatest assistance in fire-protection, extraction, and almost every phase of practical forest work ; and the Government of India are anxious that every controlling and executive Forest officer should, as soon as possible, have a good map of the forests under his charge.

It is with this object in view that the Government of India constantly press for an early publication of the maps of areas of which the survey has been completed, and no unnecessary delay seems to have taken place in this respect. As, however, the preparation of one map may be of greater urgency than that of another, it might perhaps be well if Conservators would, in their annual reports, shortly note the areas for which they have received maps and those for which they still expect them, noting in each case the date of the completion of the survey.

The Government of India have observed with pleasure that local officers in the Western Circle surveyed and prepared practically useful maps of 746 square miles. These surveys, though they can make no pretension to great accuracy, having been carried out in a rough and ready manner, are of special utility, inasmuch as they are accompanied by linear valuation-surveys and therefore form a sufficient basis for at least preliminary working-plans. No regular working-plans were completed in Upper Burma during the year ; the paucity of the staff did not permit of this ; but two were submitted from Lower Burma and have been sanctioned.

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7. In fire-protection the province has, in spite of the wilful incendiarism complained of in Lower Burma, made a greater advance in this than in any previous year; the area successfully protected rising from 585 to 939 square miles. At the same time the cost-rate per acre has materially decreased. This is satisfactory, but much remains to be done.

The Forest Department in Burma has special difficulties to contend with in respect of fire-protection; in many parts of the country an almost tropically luxuriant undergrowth, which becomes terribly inflammable during the long dry season; want of labour and its excessive cost; the widespread custom of *taungya* cultivation and the habitual recklessness in its exercise; and till lately insufficient subordinate establishment. In view of these conditions, it is a fact of great importance that some of the constituents of the Burma forests, and especially the teak which represents their main wealth, should be less affected by forest fires than most other trees, and that the natural reproduction of this species should be in some degree favoured in its struggle against others by an occasional forest fire. It has been for years a well known fact that natural reproduction of teak in a fire-protected forest, especially if in a moist position, labours under difficulties which do not exist in areas subject to fires; and it has also been frequently found that occasional fires which have run through plantations or teak *taungyas* have caused no visible permanent damage. On the other hand, it cannot be gainsaid that countless seedlings, even of teak, are destroyed by recurring conflagrations, while the unsoundness which characterises so much of the mature timber is due to no other cause.

The controlled use of fire in teak *taungyas*, or in assisting teak reproduction in areas over which the bamboo has seeded, even within fire-protected tracts, is already resorted to; but in drawing the sweeping conclusion " that fire-protection would appear to be detrimental to the natural regeneration of teak if carried out strictly year after year," there is, the Government of India fear, a danger that the necessity for control over the use of fire in favouring such regeneration should be lost sight of. Moreover, such observations as Mr. Slade has recorded for the Tharrawaddy Division may not, and probably will not, apply to the same extent to the drier forests of Prome and Thayetmyo, and the Government of India are pleased to observe that you have brought them to the notice of other officers for comparison and verification

8. The increased reproduction in teak *taungyas* is satisfactory, though the results seem not to have been universally successful, owing, it is stated, to the supply of bad seed—a statement which cannot be accepted as sufficient excuse. The Government of India also observe with regret that the flowering of bamboos in the Bawbin and Toungnyo reserves was not taken advantage of to the extent it deserved. This occurrence is so rare, and the problems connected with it are so interesting, so important as regards future action, and so difficult to solve, that it is to be regretted that the matter should have been left in the hands of a simple Ranger.

9. The Government of India agree with you that it is unsatisfactory that in the Tharrawaddy Division two more cases of irregular girdling should have taken place. Neither of the deviations is so serious as that noticed last year; but it is nevertheless to be regretted that they should have taken place in forests where plain and unmistakable prescriptions exist in the shape of regular working-plans.

10. The outturn of the year compares with that of the previous year as follows:—

Class of Forests, and Agency by which produce removed	Timber.			Fuel.			Total Timber and Fuel			Bamboos			Minor produce		
	Lower Burma.	Upper Burma.	Total.	Lower Burma.	Upper Burma	Total.	Lower Burma.	Upper Burma.	Total.	Lower Burma.	Upper Burma.	Total	Lower Burma.	Upper Burma.	Total.
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c ft.	c. ft	c ft.	c. ft.	No.	No.	No.	Rs.	Rs.	Rs.
Reserved.															
Government	1,173.733	140,265	1,313,998	...	250	250	1,173.733	140,515	1,314,248	...	...	—	...	...	...
Purchasers	335,898	4,340,339	4,676,237	10,825	92,083	102,908	346,723	4,432,422	4,779,145	3,764,520	1,098,134	4,862,654	3,070	19,92.	22,992
Right-holders	4,165	.	4,165	9,144	38,000	47,144	13,309	38,000	51,309	69,200	4,818	74,018	37,009	...	37,009
Free grants	...	2,680	2,680		...	...	..	2,680	2,680	...	...	...	...	...	...
Total ...	1,513,796	4,483,284	5,997,080	19 969	130,333	150,302	1,533,765	4,613,617	6,147,382	3,833,720	1,102,952	4,936,672	40,079	19,922	60,001
Unreserved (afforded protection under Chapter IV of the Act and Regulation).															
Government	815 320	217,163	1,032,483	.	1,283	1,283	815,320	218,446	1,033,766	.	4.700	4 700	...	1,241	1,241
Purchasers	6,154 274	6,991,678	13,145 952	7,484,924	3,503,032	10,987 956	13,639,198	10,494,710	24,133,908	14,606,165	21,635,794	36 241,959	36,291	2,20 428	2,56,719
Right-holders	50,085	25,000	75,085	.			50,085	25,000	75 085	...	...	...	...	...	...
Free grants	26,825	288,333	315,158	12,500	...	12,500	39,325	288 333	327,658	5,000	1,400	6,400	.	...	...
Total ...	7,046,504	7,522,174	14,568 678	7,497,424	3,504,315	11,001,739	14,543,928	11,026,489	25,570,417	14,611,165	21,641,894	36,253,059	36,291	2,21,665	2,57 960
Grand Total in 1894-95 ..	8,560,300	12,005,458	20,565,758	7,517,393	3 634,648	11,152,041	16,077,693	15,640,106	31,717,79	(a) 18 444,885	(b) 22,744,846	(c) 41,189,731	76,37	2,41,591	3,17,961
„ „ 1893 94 ...	9,171,604	12,458,658	21,630,262	5,967,75	4,386,490	10,354 240	15,139,354	16 845,148	31,984,50.	(d) 19,164,773	(e) 19,630,423	(f) 38,795,156	58,959	2,89,247	3,48,206
Difference in 1894 95 ...	—611,304	—453,200	—1,064,504	+1,549,643	—751,842	+797,801	+918,339	—1,205,042	—266,703	—719,883	+3,114,423	+2,394,535	+17,411	—47,656	—30,245

	Rs.		Rs.
Value (a)	46,348	(d)	48,329
„ (b)	59.339	(e)	49 650
„ (c)	1 05,687	(f)	97,979

There has been a considerable decrease in the outturn of timber and minor forest produce.

11. The financial results are shown in the following comparative statement —

	Circles.	Receipts	Charges	Surplus	Proportion of surplus to gross revenue
		Rs.	Rs.	Rs	Per cent.
Forest year	Pegu	19,62,240	7 19,045	12,43 195	63
	Tonasserim	14,15,659	5 97 790	8 17,869	58
	Total Lower Burma ...	33,77,899	(a) 13,16,835	20,61,064	61
	Eastern	17 32,475	3,29 837	14,02,638	81
	Western	4,85 512	2 17,829	2 67,683	55
	Total Upper Burma	22,17,987	5,47,666	16 70,321	75
	Grand Total Burma, 1894-95	55,95,886	18 64 501	37,31,385	67
	" " " 1893-94	58,25,093	18,17,655	40 07,438	69
	Difference in 1893-94	—2,29,207	+46,846	—2 76,053	—2
Financial year.	Pegu	22,68,341	8,75,579	13,92 762	61
	Tenasserim	10,05,863	5 04,820	5,01,043	49
	Total Lower Burma ..	32,74 204	13,80 399	18 93,805	58
	Eastern	16,77,540	3,29,059	13,48 481	80
	Western	4,85,038	2 11,316	2 73,722	56
	Total Upper Burma	21 62,578	5,40,375	16,22,203	75
	Grand Total Burma, 1894-95	54,36 782	19 20,774	35,16,008	65
	" " " 1893 94 ...	57,85,100	18 62,510	39,22,590	68
	Difference in 1894-95	—3,48,318	+58 264	—4,06 582	—3
	Average for the five years ending 1893 94 { Lower Burma	31,48,644	12 89,866	18,58,778	59
	Average for the five years ending 1893 94 { Upper Burma	18,30,009	3,82,517	14 47,492	79
	TOTAL	49 78,653	16,72,383	33,06,270	66

(a) Exclusive of about Rs 60,000 on account of forest surveys executed by the Survey of India Department.

The gross and net revenue showed a decrease of Rs. 3,48,318 and Rs. 4,06,582, respectively, if compared with the exceptionally high figures of 1893-94, but were in excess of the averages of the last five years by Rs. 4,58,129 and Rs. 2,09,738 respectively.

Discrepancies noticed in the Burma Forest Administration Report for 1894-95.

PEGU AND TENASSERIM CIRCLES.

FORM NO. 58.

(*Outturn of Minor Forest Produce.*)

The value of the grazing permitted, as shown in Form No. 55 (Pegu Circle Rs. 32,872, Tenasserim Circle Rs. 3,851), should have been included in this form. Further, in the Pegu Circle return, the item of Rs. 42 shown to be the value of the 17,300 bamboos granted to right-holders from reserved forests, as well as the item of Rs. 12 shown to be the value of the 5,100 bamboos granted free from unreserved forests, have been left out of calculation in the figures against "Total Pegu Circle" and "Grand Total" on page xxxi.

EASTERN AND WESTERN CIRCLES, UPPER BURMA.

FORM NO. 55.

(*Return of Grazing*)

The value of the grazing permitted should have been shown in this form, as well as in Form No. 58 ("Outturn of Minor Forest Produce.")

FORM NO. 56.

(*Area of Plantations*)

In the return from the Western Circle it is noted, in the "Remarks" column that of the 117 acres excluded from the area of cutch *taungya* plantations, 21 acres were transferred to other plantations, but this area does not appear in the body of the return itself. It should have been shown in the column "Added during the year" under heading "Other Plantations."

CHIEF COMMISSIONER'S RESOLUTION.

Paragraph 3.—According to Form No. 46, a net area of 19, and not 16, square miles was added by "revision of areas" to the area of reserved forests in the Pegu Circle. Consequently new reservation in that circle amounted to 41, and not 44, square miles.

G. C. Press, Simla.—No. 157 R. & A. D.—10-6-96—210.

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LIBRARY

RESOLUTION

ON THE

FOREST ADMINISTRATION REPORTS OF BURMA

FOR

The year 1894-95.

Extract from the Proceedings of the Chief Commissioner, Burma, in the Forest Department,—No. 2R.-1, dated the 6th January 1896.

READ—

Reports of Conservators on the administration of the forests of the Tenasserim, Pegu, Eastern, and Western Circles for the year 1894-95.

RESOLUTION.—The reports for all four circles were punctually received by the prescribed date. They are for the period 1st July 1894 to the 30th June 1895.

LOWER BURMA.

General summary of the year's work.

2. At the beginning of the year the area of reserved forests in Lower Burma was 6,374 square miles, to which were added during the year 637 square miles in the Tenasserim and a net area of 60 square miles in the Pegu circle. Fire-protection was attempted over 615·28 square miles, and it was effective in the case of 549·5 square miles. The area of taungya teak plantations increased from 31,653 acres to 35,551 acres. The number of teak trees girdled was 19,073. The quantity of teak extracted from the forests by both departmental agency and private purchasers was 52,781 tons against 67,605 tons in 1893-94. The gross revenue of the two circles was Rs. 33,77,899, or Rs. 1,14,860 less than in 1893-94. The gross expenditure was Rs. 13,16,835 and the net revenue was Rs. 20,61,064, or Rs. 1,58,089 less than that of 1893-94. In September 1894 the Western division of the Pegu circle was divided into the Bassein-Myaungmya division and the Henzada-Thôngwa division, and on the 15th November 1894 the Toungoo and Shwegyin divisions were transferred from the Pegu to the Tenasserim circle.

Reservation of forests.

3. In the Tenasserim circle an addition of 637 square miles (of which 65 square miles are burdened with Karen taungya rights) was made to the area of the reserved forests, which, at the close of the year, including the 28 reserves transferred with the Shwegyin and Toungoo divisions, amounted to 4,133 square miles. Of the new reserves 343 square miles are situated in the Toungoo and 294 square miles in the Shwegyin division. In the Pegu circle at the beginning of the year the reserved area was 4,496 square miles, from which have to be deducted the reserves transferred to the Tenasserim circle, namely, 1,618 square miles. Further reserves amounting to 44 square miles were formed during the year; a net area of 16 square miles has been added by the revision of areas, raising the area of reserved forests in the Pegu circle to 2,938 square miles. At the close of the year the reserved forests in Lower Burma covered 7,071 square miles, of which 569 square miles are bur-

dened with *taungya* privileges. Projects for the reservation of further areas aggregating about 282 square miles were pending at the end of the year. The demarcation of 418 miles of reserve boundaries was carried out at a total cost of Rs. 3,477, and an outlay of Rs. 1,830 was incurred on repairs to, and renewal of, boundary marks The reservation of forests for providing fuel has been commenced and is proceeding.

Forest survey.

4. A party of the Imperial Survey Department was at work on forest survey from the end of November 1894 to the end of May 1895. The triangulation of 440 square miles and traverse survey of 500 square miles were carried out in the reserves of the Toungoo and Shwegyin divisions, in the reserves on the eastern slopes of the Pegu Yoma, and in the Paunglin and Pyinma reserves of the Pegu district. The outturn of traverse work was greater than in former years and the triangulation was kept in advance of it with some difficulty. Of detail survey in the Hanthawaddy and Pegu districts the approximate area completed was 347·21 square miles of reserved forests on the 4-inch scale and 33·50 square miles of unreserved forests on the 2-inch scale; 12·50 square miles of detail work on the 4 inch scale were revised. The survey on the 4-inch scale of the forest reserves near the Thaungyin river in the Salween-Attaran division was completed by a party of the Imperial Forest Survey Branch during the season.

Working plans.

5. No working plans were actually sanctioned within the year. Those of the Bôndaung and Kabaung reserves in the Toungoo division had, however, been submitted and sanction to both was given in July 1895.

Offences against forest rules.

6. At the beginning of the year 23 cases were pending in the Tenasserim circle, and during the year 678 cases had to be dealt with. They related mostly to the unlicensed extraction and removal of timber and to false or incorrect reports of timber at Kado. Sixty-nine of the cases were taken before Magistrates; convictions were got in 55; seven broke down and seven were pending at the end of the year. The 609 compounded cases were settled for Rs. 6,190-14-0 and informers got rewards amounting to Rs. 1,049. It is satisfactory to learn that only 6 out of the entire number of 678 cases referred to offences inside reserves. The considerable increase of offences in the Shwegyin and South Tenasserim divisions should have been explained in the report. It was probably due to the unduly strict enforcement of the rules relating to minor forest produce, regarding which the Chief Commissioner issued orders in June 1895. In the Pegu circle 2,312 cases came to notice and 210 were pending from the previous year. Of these 330 were taken before Magistrates and 286 convictions were obtained. In. 1,992 compounded cases Rs. 13,831-3-9 were rewarded as compensation. Informers received Rs. 412. The majority of the cases arose out of the illicit felling of cutch and young teak trees and they were most numerous in the Thayetmyo district. At the beginning of 1895 a joint report by a Civil and Forest officer upon the occurrence of cutch in the Thayetmyo district and upon the interference with shifting cultivation caused by the reservation of the tree was received by the Chief Commissioner. After consideration of this report the Chief Commissioner resolved to attempt the demarcation of jungle areas for *taungya* cultivators and

meanwhile, as a palliative measure, to permit the destruction of cutch trees not exceeding 15 inches in girth at the base, when felled or burnt in clearings for such cultivation. There was not time for these orders, which apply only to part of the Thayetmyo district, to have much effect upon prosecutions or compositions during the year of report. These were in both the Prome and the Thayetmyo districts much more numerous than in the year preceding and it is in all probability not a mere coincidence that incendiarism was rife in both districts. The question of protecting cutch trees in unreserved forests is not one of revenue only, though in the end the revenue will no doubt gain by such protection. The people have felt severely the extinction of the cutch-boiling industry outside reserves. Its resuscitation would be a proportionate gain to them, and it cannot be resuscitated save by protective measures. But even the cutch-boilers do not understand this at present and are aggrieved because they are not allowed to make a clearance of all existing and utilizable trees, while the *taungya* cutters are of course hostile to any restrictions. Nor is the destruction of cutch the only evil caused by *taungya* cultivation. In Thayetmyo especially, the impoverishment of the soil and the acceleration of the floods in the streams, from which water for irrigation cannot be taken with the same ease as formerly, are ascribed to the same cause. In other countries as population increases, the lower hills have had to be terraced for permanent cultivation, and this is the work which the cultivators of Thayetmyo will have to undertake, if they are unwilling to move to the delta. The Chief Commissioner is not blind to the political drawbacks of measures, however beneficial, of which the people do not understand the advantage, but he is convinced that some check must be applied, gradually and cautiously, to shifting cultivation, and he hopes to alleviate the concomitant hardships by encouraging cultivators to undertake permanent cultivation and assisting them to do so by means of agricultural loans.

Fire-protection.

7. No less than 13 forest fires occurred in the Tenasserim circle, but the report gives no information as to whether any of them occurred in reserves, or as to the extent of the probable permanent injury done thereby. These particulars should be given in future reports. Taungya cultivators are blamed for five and wayfarers for three, but these fires only covered comparatively small areas. The remaining five were more serious, as they swept over 5,265 acres, and were attributed to wilful mischief or to "unknown causes." In the Pegu circle the measures taken against the outbreak of fires in reserves were not so successful as in 1893-94. Four fires broke out in reserves, and in one case the offender was sent to jail for six months. A persistent effort was made by bad characters to burn down the Kangyi reserve (8 square miles) in the Tharrawaddy division, fire having been kindled in it day after day for over a week, but the culprits were not caught. An area of 352 square miles was dealt with against 311 square miles, but 57 square miles of forest (of which 5 miles were plantations) were burnt against 30 square miles in the previous year. Servants of the department were to blame for 14 of the fires of that year, which injured 8,809 acres and for 13 out of the 67 fires in 1894-95 which overran 13,064 acres. The Thayetmyo, Prome, and Tharrawaddy divisions suffered most. The Conservator attributes these fires to "want of care" on the part of the fire-watchers and to insufficiency of subordinate establishment. The revision of the subordinate establishment has now been sanctioned by the

Government of India, but it will not result in any considerable increase in numbers. The problem is rather to improve the quality of the staff, and upon this point the Chief Commissioner will await the recommendations which are understood to be in course of preparation. Three fires were caused by taungya cultivators, 24 were due to wilful incendiarism, nine to incendiarism "not wilful," or in other words, it is presumed, to the careless handling of fire by wayfarers when cooking their food or lighting their cheroots, and the causes of 18 fires which overran 12,037 acres were not discovered. Nothing is said in the report as to the extent of *permanent* injury found on examination to have been done to forests by the fires of previous years. The interesting observations of Mr. Slade, Divisional Officer of Tharrawaddy, upon the effect of fire on the natural regeneration of teak should be brought to the notice of other officers for comparison and verification.

Reproduction and improvement of forest growth.

8. No additions were made during the year to the area (791 acres) of regular teak plantations in the Tenasserim circle. The area of taungya teak plantations was increased by 1,522 acres at a cost of Rs. 9-10-3 an acre, of which Rs. 1-11-11 was for weeding. The responsibility for the supply of bad teak seed, of which the Conservator complains, should be brought home to the proper quarter. In the Pegu circle the Magayi teak plantation was increased by 15 acres at an average cost of Rs. 12-3-5 per acre, while 1,563 acres were planted with pure teak, 355 acres with pure cutch, and 458 acres with a mixture of teak and cutch in taungyas.

Girdling

9. No girdling of teak was carried out in reserves in the Tenasserim circle. The working plans of the Bôndaung and Kabaung forests in the Toungoo division were not sanctioned in time to permit any girdling to be done before the close of the year in accordance with their provisions. Outside reserves 3,449 trees were girdled. In the Pegu circle 14,474 trees were girdled in reserves and 1,150 trees in unreserved forests against 12,297 trees inside and 12,976 trees outside reserves in the previous year. The repetition of blunders in connection with girdling operations, to which reference is made at paragraph 38 of the Pegu circle's report, is unsatisfactory and shows that closer supervision is required on the part of Divisional Officers. The case has already been before the Chief Commissioner.

Timber worked out of the forests.

10. The quantities of teak and other timber extracted from the forests during the year were as follows:—

	Teak.	Other kinds.	Total.
	C. ft.	C. ft.	C. ft.
By Government agency	1,912,206	76,847	1,989,053
By purchasers and under trade permits	726,843	13,259,078	13,985,921
Under free permits	9,800	29,525	39,325
By lease-holders of forests	40,151	23,243	63,394
Total 1894-95 ...	2,689,000	13,388,693	16,077,693
Total for 1893-94 ...	3,300,400	11,838,600*	15,139,000
Increase or decrease in 1894-95 ...	— 611,400	+ 1,550,093	+ 938,693

* Includes 1,231,150 cubic feet of fuel not included last year.

It will be convenient for the Tenasserim circle to distinguish in future, as the Pegu circle does, in Form No. 57, between teak, reserved woods, and unreserved woods.

Extraction of timber.

11. In the Tenasserim circle, including Shwegyin and Toungoo divisions, 828,394 cubic feet of teak were worked out by Government agency; drift lapsed to Government which was formerly included in these figures is now omitted. Of woods other than teak Government extracted 49,280 cubic feet against 40,662 in 1893-94. By consumers and purchasers, including Messrs. Macgregor and Company, who extracted 668,456 cubic feet of teak, 696,889 cubic feet of teak and 345,030 cubic feet of other reserved woods were removed. A considerable quantity of pyinkado was removed, namely, 184,093 cubic feet. In the Pegu circle 1,083,812 cubic feet of teak and 24,370 cubic feet of other reserved woods were extracted by Government agency chiefly from the Tharrawaddy and Bassein divisions against 1,594,995 cubic feet and 14,976 cubic feet in 1893-94. The quantities of timber of all sorts removed by purchasers were 9,697,857 cubic feet.

Miscellaneous and minor forest produce.

12. The number of bamboos extracted in the Tenasserim circle was 3,411,785 against 1,816,010 in 1893-94. The large increase is due to the addition of the Shwegyin and Toungoo divisions to the Tenasserim circle. In Pegu the number was 15,033,100 against 17,348,763 in 1893-94. In Tenasserim 11,581,300 canes and in Pegu 783,500 canes were extracted against 11,990,100 and 909,532 canes in 1893-94. Only 3,112 viss of cutch were extracted during the year against 206,239 viss in 1893-94, the issue of licenses having practically ceased. An experiment was tried in Tharrawaddy towards the close of the year of extracting cutch trees departmentally and selling them to the holders of licenses for making cutch, but no report of the results has yet been received. As above mentioned, the Chief Commissioner has issued orders restricting the taxation of minor forest produce. The Pegu, Toungoo, and Shwegyin divisions are those in which undue stringency appears to have been exercised.

Revenue and expenditure.

13. The statement below shows the gross revenue of the two circles for the year. It amounted to Rs. 33,77,899 against Rs. 34,92,759 in 1893-94, and was derived from the following sources:—

	1893-94.	1894-95.	Increase or decrease.
	Rs.	Rs.	Rs.
From timber and other produce removed from the forests by Government agency.	20,91,799	19,97,427	— 94,372
From timber and other produce removed from the forests by consumers and purchasers. — Timber	7,28,133	7,13,750	— 14,383
— Firewood and charcoal ...	55,702	44,763	— 10,939
— Bamboos	51,189	66,263	+ 15,074
— Grazing and fodder grass ...	571	841	+ 270
— Other minor produce ...	37,850	21,108	— 16,742
Confiscated drift and waif wood	1,85,500	1,77,586	— 7,914
Duty on foreign timber and other produce	2,89,664	3,07,828	+ 18,164
Miscellaneous	52,351	48,333	— 4,018
Total ...	34,92,759	33,77,899	— 1,14,860

This result was mainly due to a block in the Pegu canal, which retarded the arrival of much timber in Rangoon, and to a falling off in revenue from thingan timber for boat-hulls and from bamboos and cutch. On the other hand, there was a larger business in pyinkado in the Pegu circle, an active trade in teak at Kado, and, as the season in Tenasserim was favourable for floating operations, large quantities of both Government and foreign timber arrived, and much lapsed and confiscated drift timber was sold for the credit of Government. There was nothing special in the expenditure of the year. It rose or fell according to the extent of the requirements of the different branches of the work and was Rs. 43,229 in excess of the expenditure of 1893-94.

The net revenue of the two circles in the respective years compares as follows :—

	1893-94.	1894-95.
	Rs.	Rs
Tenasserim	5,25,004	6,03,871
Pegu	16,94,149	14,57,193
Total ...	22,19,153	20,61,064

The cost of the Forest Survey parties employed in Lower Burma during the year has still to be brought to account. It amounts to Rs. 60,667-0-11.

Imports of timber.

14. The quantity of teak timber imported by the Salween into Moulmein was 75,831 tons against 80,792 tons in 1893-94, the proportion of full-sized and under-sized logs being the same as in that year. No fewer than 37,651 drift logs were received at Kado against 12,208 in 1893-94 and 6,989 in 1892-93. The quantities of teak imported by the Irrawaddy and Sittang were 30,159 tons and 87,627 tons respectively against 78,567 and 82,399 tons in the previous year. The increase in the case of the Sittang was due to the exceptional activity of the Bombay-Burma Trading Corporation in the extraction of timber from the Pyinmana forests. The value of manufactured wood (chiefly casks) imported from Calcutta and the Straits Settlements was Rs. 2,32,407, but nearly half the quantity was exported to ports in the Madras Presidency and to Pondicherry.

Exports of teak timber.

15. The following table gives a comparative statement of the quantities of teak exported from Moulmein and Rangoon in each of the past five years :—

Year.	From Moulmein.		From Rangoon.		Total.		
	Tons.	Value.	Tons.	Value	Tons.	Value.	Average value per ton.
		Rs.		Rs.		Rs.	Rs.
1890-91 ...	64,227	47,01,434	110,888	78,75,794	175,115	1,25,77,228	71·8
1891-92 ...	62,320	41,88,267	99,647	75,13,397	161,967	1,17,01,664	72·2
1892-93 ...	106,850	72,57,412	109,336	91,85,043	216,186	1,64,42,455	76·06
1893-94 ...	85,722	60,39,428	85,623	65,78,973	171,345	1,26,18,401	73·64
1894-95 ...	84,456	58,68,527	106,810	83,34,657	191,266	1,42,03,184	74·26

The greater portion of the exports from Moulmein went to Calcutta and Bombay, only 14,556 tons (but these were selected timber of high quality) having been shipped to Europe against 17,776 tons in the previous year. From Rangoon 31,176 tons were exported to Europe and 56,843 tons to Madras, Calcutta, and Bombay against 25,225 and 54,224 tons respectively in 1893-94.

Services of officers.

16. Mr. P. J. Carter who had held charge of the Pegu circle since July 1890 proceeded after the close of the year on a well-earned furlough. The administration is much indebted to Mr. Carter for the knowledge, judgment, and ability which he has devoted to his work. Lieutenant-Colonel Bingham also went on leave in April 1895 after holding charge of the Tenasserim circle for nearly six years with satisfactory results and was succeeded by Mr. Nisbet. The reports of both circles have been written by officers who were not in charge during any part of the year.

UPPER BURMA.

17. The Katha forest division, being found to be inconveniently large, was divided in August 1894 into two separate charges, styled the Katha division and the Ruby Mines division respectively.

Reservation of forests.

18. Areas aggregating 252 square miles in the Katha and Mu divisions of the Eastern circle and 207 square miles in the Lower Chindwin division of the Western circle were added to the extent of the reserved forests, which, after allowing for trifling revised computations of areas, amounted at the close of the year to 4,408 square miles, of which 2,397 square miles are in the Eastern and 2,011 square miles in the Western circle. Taungya cultivation rights have been conceded over 219 square miles within reserves in the Eastern and over 36 square miles within reserves in the Western circle. Two Civil Officers were again employed as Forest Settlement Officers, namely, Mr. D. Wilson, I.C.S., and Mr. E. Fowle, Extra Assistant Commissioner. They held enquiries over areas representing approximately 456 and 483 square miles. At the close of the year proposals for the settlement of 436 square miles and 687 square miles in the Eastern and Western circles respectively were awaiting disposal. In the Setkala reserve referred to in paragraph 19 of the Chief Commissioner's Resolution on the Burma Forest Reports for 1893-94, the further enquiries resulted in various concessions to the surrounding villages. The case shows that officers engaged in the settlement of forests in the Kachin tracts must do more than merely adjudicate upon claims. They must visit the neighbouring villages and question the cultivators concerning their customs and wants.

Examination of forests.

19. The attention of most of the local Forest Officers was again occupied with settlement and demarcation, but they were able to devote some time to the examination of new country, with a view to the selection of areas suitable for reserves. In the Bhamo, Katha, Ruby Mines, Mandalay, Pyinmana, and Southern Shan States divisions of the Eastern circle, and in the Upper and Lower Chindwin, Yaw, and Minbu divisions of the Western circle teak of good or promising quality was met with in fair abundance, as also, in parts, excellent cutch, padauk, and pyinkado.

Demarcation

20. Up to the end of the year (30th June 1895) satisfactory progress had been made in the demarcation of the boundaries of reserves. In the Eastern circle over two-thirds and in the Western circle about four-fifths of the work have been finished. A good deal has still to be accomplished in the case of the Katha reserves, which were, however, only notified as such in December 1894.

Surveys and working-plans

21. A party of the Imperial Forest Survey Branch worked in the Pyinmana reserves, Eastern circle, from the end of December 1894 to the beginning of June 1895. It finished the detail survey of 195 square miles of reserves and the linear survey of 72 miles of boundaries, both on the 4-inch scale, besides doing some traverse work, at a cost of Rs. 25,200. In the various divisions of the circle traverse surveys were run over 853 miles by the local Forest Officers at a cost of little more than one rupee a mile. In the Western circle the local officers also did, with the help of native surveyors, a substantial amount of surveying—746 square miles—and prepared practically useful maps of the greater portion of the area dealt with. Linear valuation surveys were made over 4,236 acres in the Eastern and over 1,466 acres in the Western circle against 4,788 acres and 3,969 acres in 1893-94. More would have been done in the Western circle but for the paucity of officers and the other important demands on their services.

Forest offences.

22. In the Eastern circle nine cases were pending at the beginning of the year and 368 new cases came to notice against 429 in the previous year. Magistrates disposed of 105 cases, in 80 per cent. of which convictions were obtained, against 138 cases in 1893-94. Two-thirds of the cases of the year were compounded for Rs. 3,155. Only eight cases were undetected. Many of the offences related to the illicit boiling of cutch. In the Western circle, besides six cases pending from the previous year, 244 new cases came to light, or 95 more than in that year; they mostly related to the illicit boiling of cutch. Convictions were got in only 68 per cent. of 111 cases taken before Magistrates, because in many cases the accused successfully pleaded that the cutch was the produce of privately owned land. The Chief Commissioner has elsewhere prescribed the method of dealing with vague claims to proprietary right in wood land, and, if those orders are carried out, Sir Frederic Fryer believes that the necessity of prohibiting the boiling of any cutch without license will be avoided.

Fire-protection.

23. The results of the measures taken in the Eastern circle to protect forests from fire were highly successful. Out of 44,964 acres 43,388 acres were saved at a cost of Rs. 3,044. Last year the area successfully protected was 32,685 acres out of 35,435 acres. In the Western circle the results of fire-protection were also excellent, no less than 205,440 acres of forests having been saved from fire out of 216,320 acres over which watch was kept. The Tichaungwa reserve in the Minbu division alone suffered. Fire got into the forest while the boundaries were being fire-traced, and later on a second fire occurred and the people of a village who have grazing rights in the reserve refused to help in putting it out. The Deputy Commissioner should inform the villagers that their rights are liable to be cancelled for failure to assist in extinguishing fires.

Plantations.

24. In the Eastern circle the area of teak taungya plantations was 86·69 acres, to which 66 acres were added during the year. The area of regular plantations decreased from 104·50 to 98 acres owing to the destruction of the small cutch plantation of 6·50 acres in the Pyinmana division by a flood. In the Western circle the only plantations are those of cutch trees in old taungyas within reserves in the Minbu division, the area of which, after the addition of 56 acres and the exclusion of 117 acres found to be worthless, was 290 acres at the close of the year.

Experimental cultivation.

25. Beyond the planting of a few pine trees, no further experimental cultivation was tried in the Eastern circle. European fruits can be reared, but they require close attention, and at present no establishment is available for the purpose. The cultivation of *eucalypti* has not been very successful. The mahogany trees at Minbu, of which 15 survive, give promise of doing well.

Girdling.

26. No girdling of teak was carried out in the Eastern circle, except in a part of the Meza forest, Katha division, where 702 trees were girdled over a small area leased for gold-mining. In the Lower Chindwin and Yaw divisions of the Western circle 1,425 and 682 trees were girdled. No girdling was done for the Chiefs in the Southern Shan States, where the forests will need many years' rest. In accordance with rough working plans 12,461 cutch trees were marked for extraction.

Extraction of timber.

27. On Government account 1,923 logs containing 1,830 tons of teak were brought out of the forests of the Bhamo and Katha divisions against 1,743 logs or 1,860 tons in the previous year. This timber was from the more remote parts of the forests, where it had been left by former lessees. Its extraction was costly, but it yielded on sale a handsome profit. Besides this timber 2,750 logs containing 1,524 tons of "rejected" teak, nearly all from the Bhamo forests, were either made over to the contractors on payment of the local duty, or were sold on the half-profits principle, yielding a substantial net return to Government. A railway contractor in the Katha division bought 1,448 tons of teak, the yield of trees cut down on the railway line, for Rs. 15,104. In the Western circle 332 logs of teak were extracted departmentally from the Taungdwingyi forests and 431 tons of drift teak and 42 tons of other kinds of drift timber lapsed to Government. The quantity of teak extracted by the Bombay-Burma Trading Corporation from the Mandalay, Mu, and Pyinmana forests was 103,257 tons, revenue Rs. 9,43,146, against 103,786 tons, revenue Rs. 9,66,636, in the previous year. Messrs. Darwood and Company extracted 10,453 tons and Hadji Mahomed Hady 4,543 tons, from which Government derived a revenue of Rs. 1,93,316 against Rs. 1,51,914 on 12,391 tons in 1893-94. The last-named lessee having failed to act up to the obligations in one of his leases, it has since been cancelled. The estimated outturn of teak from the forests of the Southern Shan States was 12,560 tons. The Bombay-Burma Trading Corporation extracted 17,388 tons less teak from the Chindwin forests and 932 tons less from the Yaw forests than in the previous year. Trade licenses for 14,674 tons of teak, 151 tons of padauk, and 38,775 tons of other varieties were granted in the Eastern circle. The outturn of pyinkado sleepers in Pyinmana was slightly greater than in 1893-94. Free licenses were granted for an estimated quantity of

3,019 tons of teak against 2,977 tons in 1893-94. In the Western circle trade licenses were issued for 11,985 teak and 70 padauk trees and free licenses for 6,750 teak trees against 6,760 trees in 1893-94. The Chief Commissioner does not desire the free grants of teak timber to be curtailed at present. The people have been accustomed to use teak for their religious buildings and it is important not to arouse opposition to the operations of forest conservancy. But any diversion to trade purposes of timber granted free of royalty should be punished. The instructions contained in paragraph 10 of the Government of India's orders on the reports for 1893-94 have not been attended to. They should not be again overlooked.

Minor forest produce.

28. The quantity of cutch removed from the forests of the Eastern circle was very much less than in 1893-94, the revenue for the two years being Rs. 7,455 and Rs. 3,227. Only 22 licenses were issued in restricted areas against 112 in the previous year. The outturn of India-rubber was also considerably smaller, in consequence, it is believed, of the overtapping of the trees. Larger quantities of thitsi (varnish), indwe (resin), and lac and a much larger quantity of limestone were removed. The outturn of cutch in the Western circle was much below that of the previous year, fewer licenses having been issued, while the period of the licenses was for four months only instead of six. Less thitsi, shaw fibre, honey and wax, and more wood-oil and bark were removed. The aggregate revenue of the two circles from minor forest produce was Rs. 2,32,776 against Rs. 2,79,540 in 1893-94. In Upper Burma the rules relating to royalties on minor produce have been lately revised.

Revenue and expenditure.

29. The gross revenue of the two circles for the year was—

	Rs.
Eastern circle	17,32,475
Western circle	4,85,512
Total ...	22,17,987

and was contributed as follows by the various sources of income:—

	1893-94.	1894-95.	Increase or decrease.
	Rs.	Rs.	Rs.
Timber and other produce removed from the forests by Government agency	41,589	1,29,790	+ 88,201
From timber and other produce removed from the forests by consumers and purchasers. — Timber	18,40,707	16,93,464	— 1,47,243
Firewood and charcoal ...	42,957	38,189	— 4,768
Bamboos	49,638	66,772	+ 17,134
Grazing and fodder grass	..	81	+ 81
Other minor produce ...	2,86,764	2,32,506	— 54,258
Confiscated drift and waif wood	40,304	30,290	— 10,014
Duty on foreign timber and other produce	...	..	
Miscellaneous	30,375	26,895	— 3,480
Total ...	23,32,334	22,17,987	— 1,14,347

The season was good in the Eastern, but bad in the Western, circle for floating operations. The royalties on cutch, India-rubber, and firewood were less productive than in the preceding year. The expenditure was Rs. 5,47,666

against Rs. 5,44,049 in 1893-94. The increase was due wholly to the growth of establishment charges, and, if the forests of Upper Burma are to be worked on a far-seeing and really economical plan, such growth must continue for some years. The net revenue of both circles was Rs. 16,70,321, being rather more than a lakh below that of the previous year.

Southern Shan States forests.

30. The illicit girdling of teak trees continued to prevail in the forests of the Southern Shan States and neither Chiefs nor subjects yet understand the necessity of providing for the natural reproduction of the teak tree. In wide areas all trees large enough to produce seed have been removed. When the Chief Commissioner was at Taunggyi several Chiefs complained of the stoppage of girdling operations, but after enquiry it has not been found possible to meet their wishes. A considerable curtailment in timber operations is inevitable and the Chiefs have been warned to expect it.

Services of officers.

31. By the lamented death of Mr. Aplin the administration was deprived of a most zealous and capable officer. Mr. Home, who was transferred to Assam in December 1894, administered the Western circle with energy and ability. Mr. Dickinson, first in the Eastern and then in the Western circle, achieved much success in a field of work somewhat new to him. Mr. Oliver, who returned from furlough in December 1894, brought his ripe experience of Burma and his thorough professional knowledge to the management of the Eastern circle.

By order of the Chief Commissioner,

F. C. GATES,
Revenue Secretary.

ERRATA.

In Appendix C (2) on page xlix of the Appendices to the Lower Burma Forest Reports for 1894-95 *substitute* the entries shown in the following statement for those shown under the heads "*Other timber*" and "*Wooden sleepers*" respectively :—

Articles and countries to which exported.		For		Read	
		Rangoon.		*Rangoon.*	
		Quantity.	Value.	Quantity.	Value.
Wood.			Rs.		Rs.
Other timber.					
To United Kingdom ...	... Tons	20	750	20	750
To Ceylon ...	... ,,	1	65	1	65
To Straits Settlements ...	... ,,	8	375	8	375
To Bengal, chief port ...	... ,,	657	88,686	163	8,996
To Bengal, other ports ...	... ,,	7,122	4,27,253	15	828
To Bombay, chief port ...	... ,,	152	9,120	...	...
To Sind, chief port ...	... ,,	1,154	69,240	...	...
To Madras, chief port ...	... ,,	688	41,021	18	821
To Madras, other ports .	... ,,	170	9,992	12	512
To Provincial ports ...	... ,,	33	1,653	33	1,653
Total	...	10,005	5,08,105	270	14,000
Wooden sleepers					
To Bengal, chief port ..	.. Cwt.	14,490	43,288	24,870	72,028
To Bengal, other ports ...	... ,,	20,280	69,840	102,420	4,96,205
To Bombay, chief port ...	... ,,	...	...	3,040	9,120
To Sind, chief port ...	... ,,	...	..	23,080	69,240
To Madras, chief port ...	... ,,	19,090	56,670	32,490	96,870
To Madras, other ports ...	.. ,,	16,226	60,496	19,386	69,976
Total	..	70,086	2,30,294	2,64,786	8,14,899

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BENGAL SECRETARIAT LIBRARY

REPORT

ON

FOREST ADMINISTRATION

IN

THE TENASSERIM CIRCLE

For the year 1894-95,

BY

G. F. PREVOST, Esq., Officiating Conservator of Forests.

Introduction.

During the year the area of the circle was increased by the addition of the Toungoo and Shwegyin Divisions, which were transferred from the Pegu Circle to this Circle.

As a temporary measure, the headquarters of the Conservator were transferred from Moulmein to Rangoon.

The transfer of the Toungoo and Shwegyin Divisions was with effect from 1st November 1894, but the figures of revenue and expenditure of the two divisions dealt with in this report are for the whole Forest year.

The area of reserved forests was increased by 1,618 square miles by the addition of the two divisions mentioned above and 637 square miles by settlement.

One hundred and fifty square miles are now under settlement; 254·84 square miles of reserved forests were successfully fire-protected and 1,522 acres of new teak taungya plantations were made.

During the year 29,202 logs aggregating 16,568 tons of teak and 672 logs or 985 tons of other woods were extracted and brought to depôt by Government agency, and 13,938 tons teak and 38,326 tons of woods other than teak extracted under licenses.

The gross yield of the circle was teak 30,506 tons, woods other than teak 39,291 tons, firewood and charcoal 33,497 tons, bamboos 3,359,785, canes 11,581,280, and the sale of other minor produce realized Rs. 14,145.

The gross revenue of the circle was Rs. 15,44,080 and the gross expenditure Rs. 5,97,790, leaving a net revenue of Rs. 9,46,290.

CHAPTER I.

Extension and Constitution of State Forests.

1.—Alteration of area.

1. During the year the Forest divisions of Toungoo and Shwegyin, with a total area of reserved forests of 1,618 square miles, were transferred from the Pegu Circle and added to the Tenasserim Circle.

2. In the same divisions a further area of 637 square miles was added by settlement.

The total area of reserved forests is therefore 4,133 square miles as compared to 1,878 square miles in 1893-94.

2.—Forest Settlements.

3. As mentioned in the preceding paragraph, 637 square miles were added by settlement during the year.

A further area of 150 square miles was under settlement at the close of the year.

3.—Demarcation.

Toungoo Division.

4. The Pyu Kun and Metindein Reserves were demarcated at a cost of Rs. 582 and Rs. 439 respectively.

Repairs to existing boundaries cost Rs. 472.

In addition to the above, Rs. 27 were spent in painting boards for the East Swa Reserve and Rs. 288 for 1,000 zinc plates for the Survey Party in the Pyu Kun Reserve.

West Salween Division.

The renewal of demarcation boards cost Rs. 27-5-4.

Salween-Attaran Division.

Repairs to boundaries and erecting new posts in fire reserves cost Rs. 600, of which sum Rs. 100 were not disbursed during the year.

Kado Division.

Five cairns in the Kyakatchaung Reserve were erected at a cost of Rs. 5.

Shwegyin Division.

The Aingdôn Kun Reserve was demarcated at a total cost of Rs. 1,139-12-6.

The demarcation of the Zaha-Baingda-Mayan-Kawliya Reserve was also entirely completed, but only Rs. 124-6-0 were included in the accounts of the year.

Repairs to boundaries and pillars of other reserves cost Rs. 12.

South Tenasserim Division.

No expenditure was incurred on demarcation.

4.—Surveys.

5. The following information has been furnished by the Superintendent of Survey Party No. 20 of the work done in the Toungoo and Shwegyin Divisions:—

	Square miles.
Approximate area completed—	
Unreserved, detail 4-inch	11·98
Revision, detail 4-inch	12·62
Approximate area prepared in advance	457
Triangulated	440
Cost per square mile, season 1894-95—	Rs.
4-inch	150
2-inch	170

The rough sketch maps furnished by the Forest Department served as guides to the boundaries and proved effective. In cases of doubt the Forest Officers were consulted.

The demarcations of reserves as made by the Forest Department were, as a rule, clear and easily followed.

The traverse camp was employed in the Toungoo and Shwegyin districts on the Forest reserves on the eastern slopes of the Yoma range.

As in previous years, the triangulation had to contend with unusual difficulties, but succeeded in keeping pace with the traverse work.

The health of the Party was good. There were three deaths during the field season, two from disease and one from an accident.

The Party was actually in the field from the 23rd November 1894 to the 31st May 1895.

A survey of the betel gardens inside the Metindein Reserve, as well as the boundaries of the reserve, were executed by the Divisional Officer at a cost of Rs. 152.

Salween-Attaran.

The following information is extracted from the Annual Progress Report of the Forest Survey Branch of the Forest Department for the year ending 30th September 1894 :—

The following form shows the cost and the areas operated on :—

		Triangulation.	Traversing.	4-inch detail survey.	Expenditure.
Salween-Attaran	Area ...	...	...	112	...
	Cost rate...	...	...	Rs. 88-3-0	Rs. 9,888-0-0

No triangulation or traversing was done in this division as these branches of the work were well in advance of the topographical survey.

During the Forest year under report, *i.e.*, the field season of 1894-95, the following are the details of the field work done in this division by the Imperial Forest Surveys :—

Area plane-tabled on the scale of 4 inches = 1 mile	...	...	75½ square miles.
Check surveys or "portals"	...	...	89 linear miles.
Date on which the Party took the field	...	...	4th December 1894.
Date on which the Party returned to Recess quarters	...	...	12th May 1895.

The work done during the season now completes the survey on the scale of 4 inches = 1 mile of the existing Forest reserves on the Thaungyin river.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

Regulation of Management.

(*a*) *Working Plans and their control.*

6. Sanction to the working plans of the Kabaung and Bôndaung Reserves not being received until after the close of the year, it was impossible to carry out the prescribed operations for 1894-95, but every effort will be made to work off this deficit in 1895-96.

(*b*) *Annual plans of operations.*

7. Annual plans of operations were submitted by all Divisional Officers and fairly well worked up to.

II.—Working of the year.

(*a*) *Communications and Buildings.*

8. The following are the details of work and expenditure by divisions under this head :—

Toungoo Division.

Repairs to existing buildings cost Rs. 588.

West Salween Division.

Rupees 100 were expended in clearing the Dôndami and Ônkangyi streams of windfall trees.

Salween-Attaran Division.

Repairs and additions to buildings cost Rs. 118.

Kado Division.

New works cost Rs. 1,086-10-8 and repairs were carried out at a cost of Rs. 180-12-0.

Shwegyin Division.

New buildings cost Rs. 374 and repairs to various rest-houses, &c., cost Rs. 182.

The rest-houses at Tamagôn and Zaha were completed, but not paid for during the year.

It was proposed to clear obstructions from the Baingda stream, but on careful estimates being prepared the cost was found to be excessive and the scheme was abandoned.

South Tenasserim Division.

Blasting operations were continued in the Tavoy river, but the dynamite was soon exhausted, and as the British India Steam Navigation Company refused to carry any more, operations ceased.

The total expenditure was Rs. 1,001 as compared with Rs. 1,556 for 1893-94.

Repairs to buildings cost Rs. 69.

Agency Division.

A timber slip was constructed at Battery Point depôt at a cost of Rs. 2,150-1-7 exclusive of Government timber utilized and valued at Rs. 1,580.

(*b*) *Protection of forests from injury.*

1.—General protection and breaches of the Forest Law.

9. The total number of cases brought before Magistrates was 69, of which 55 were convicted, 7 acquitted, and 7 are pending.

Six hundred and nine cases were compounded by Divisional Officers for Rs. 6,190-14-0, of which 8 are still pending. Rupees 1,049 were disbursed as rewards to informers.

The total number of cases was 678 as compared with 510 for 1893-94; only 6 were for offences committed inside reserves.

2.—Protection from fire.

10. The operations were as follows:—

	1893-94.	1894-95.
	Sq. miles.	Sq. miles.
Protection attempted	148·5	208·42
Protection successful	147·17	254·84
	Rs.	Rs.
Cost per square mile attempted	60	64
Cost per square mile protected	66	66
	Sq. miles.	Sq. miles.
Failures	1·33	8·58
Of which plantation	·02	·35

Thirteen fires occurred, of which five, covering 181 acres, were due to want of care on the part of ya-cutters; three, covering 43 acres, were caused by travellers; three, covering 3,210 acres, were caused by incendiarism; and two, covering 2,055 acres, were due to unknown causes.

3.—Regulation of grazing and protection from cattle.

11. Of the total area of 4,133 square miles of reserved forests 3,994 square miles were entirely closed to grazing and the remaining 139 square miles were open during part of the year to the grazing of right-holders' cattle.

The total number of cattle, elephants, and other animals grazed was 7,841.

(*c*) *Improvement of forest growth.*

1.—Natural reproduction.

12. In the Toungoo Division an experiment is being made to try and exterminate bamboos by constantly cutting over the clumps and renewing the operation as they produce new shoots. So far the results have not been very successful, and probably will prove too costly and tedious to be systematically introduced as a means of exterminating the bamboo.

In the West Salween Division Mr. Ferrars reports much damage was done by fire to natural seedlings in the pine forests on the Upper Yunzalin.

The South Tenasserim Divisional Officer reports that the natural reproduction of pyinkado, now becoming one of our most important timber trees, is very poor.

The subject will be carefully enquired into when the Officiating Conservator of Forests visits that division.

2.—Artificial reproduction.

Regular plantation.

13. Regular plantations involved no expenditure during the year.

Taungya plantation.

14. Expenditure was Rs. 25,766.

Formation.

	Acres.	Rs.
Teak	1,522	12,024

Maintenance.

Weeding plantations in the reserves—	Acres.	Rs.
Mepalè Thaungyin	942	8,601
Kyunchaung	85	824
Dah	192	421
Natchaung	87	420
Pakabo	44	283
Thinganyinaung	101	855
Saing-Yane	401	751
East Swa	105	91
Kabaung	71	71
Pyunchaung	...	5
Sinswe	2,111	2,767
Warnu	100	400
Mewaing	916	1,290
Minanwè	71	167
Onkangyi	1,249	852
Bilakatkyi	571	695
Tagalaung	574	571
Kahelu	806	178
Total ...		13,742

In paragraph 14 of the Annual Report for 1892-93 Lieutenant-Colonel Bingham remarked on the worthlessness of much of the teak seed collected.

Again this year the officers of the Toungoo and Salween-Attaran Divisions attribute the failure to raise good crops to the supply of bad seed.

If these surmises are correct, the whole subject of taungya-cultivation requires looking into, as it is obviously impossible to have successful plantations if the seed supplied is bad.

The question will be carefully enquired into during the approaching working season and arrangements made for Divisional Officers to personally inspect all seed collected and see that it is carefully stored away until wanted.

3.—Early thinnings.

15. In the Pyunchaung Reserve 1,270 poles were thinned out at a cost of Rs. 211, the sale of 269 of these realizing Rs. 51.

4.—Other operations for the improvement of growing stock.

16. In the same reserve 5,519 ficus-bearing trees were cut out at a cost of Rs. 4,139.

Arrangements will be made to extract as many of these trees as possible and sleeper-cutters will be allowed to convert the remainder.

In the Bôndaung Reserve, compartment No. 6, Rs. 845 were spent in clearing some 592 acres of overhead growth, and in two other reserves Rs. 342 were spent in clearing 1,130 acres.

Creeper-cutting.

17. In the Toungoo Division Rs. 931 were spent in removing creepers.

In the Shwegyin Division creepers were cut at the same time as the girdling operations.

5.—Experiments.

18. The only experiments were carried out in the South Tenasserim Division.

The vanilla, which was removed from Mergui to Tavoy in 1893-94, is doing extremely well, but none of the plants have yet flowered.

The total cost of the experimental garden was Rs. 977 and the revenue realized Rs. 138.

In the future no more horticultural experiments will be attempted and proposals will shortly be submitted to form the area into a reserved forest.

(*d*) *Exploitation of Major Forest Produce.*

1.—Clear or regeneration fellings.

2.—Selection fellings.

19. *Girdling.*—Teak trees were girdled for extraction.

	1893-94.	1894-95.
	Trees.	Trees.
Unreserved forests	500	8,449

In the Toungoo Division 2,450 trees should have been girdled under the working plans for the Kabaung and Bôndaûng Reserves, but as mentioned in paragraph 6, sanction to the plans was received too late to commence the work, so operations were confined to the girdling of 1,090 trees in unreserved forests.

In the Shwegyin Division 827 trees were girdled in unreserved forests.

In the West Salween and Salween-Attaran Divisions 1,532 trees were girdled in accordance with the provisions of the rough working plans in force.

Of 32 trees girdled in excess of the sanctioned number, 3 were found illicitly girdled in the Salween-Attaran Division and 29 were girdled in excess in the West Salween Division through a mistake of the Forest Ranger, who has since been reduced.

Selection fellings by Government agency.

20. The timber extracted by Government agency amounted to—

Teak.

	1893-94.	1894-95.
	Cub. ft.	Cub. ft.
From reserves	369,050	243,213
From unreserved forests	293,996	585,181
Total ...	663,046	828,394

Reserved Woods.

From reserves	...	...
From unreserved forests	28,250	48,245
Total ...	28,250	48,245

Selection fellings by consumers and purchasers.

21. The extraction of timber by purchasers amounted to—

	1893-94.	1894-95.
	Cub. ft.	Cub. ft.
Teak	1,650	696,889
Reserved woods	297,800	345,080
Pyinkado	...	250,000
By Lease Holders.		
Teak	34,845	40,151
Reserved woods	8,907	9,984
By Free grants.		
Teak	1,820	5,746
Reserved woods	12,255	6,642

5.—Unregulated fellings.

22. The unregulated fellings amounted to—

By Government Agency.

	1893-94.	1894-95.
	Cub. ft.	Cub. ft.
Unreserved woods	1,750	1,085
By Purchasers.		
Pyinkado	...	828,848
Other unreserved woods	1,209,812	992,418
Firewood	1,159,750	1,430,984
Firewood as charcoal	71,400	287,900
	Hundreds.	
Bamboos	18,181	33,597
Canes	119,900	115,812
By Right-holders.		
	Cub. ft.	Cub. ft.
Unreserved woods	250	4,165
	Hundreds.	
Bamboos	2,900	520
Canes	100	9

(*e*).—*Extraction and Transport of Major Forest Produce.*

1.—Timber extracted by Government agency.

23. The figures separately for teak and for woods other than teak for the year 1894-95 as against 1893-94 are tabulated in the statements given below:—

Teak.

Division.	1893-94.		1894-95.		Remarks.
	Logs.	Cubical contents.	Logs.	Cubical contents	
Toungoo	...	...	3,691	125,589	
West Salween	4,812	98,668	6,725	142,605	
Salween-Attaran	18,057	477,066	15,340	345,091	
Kado	3,787	87,310	2,035	57,660	
	6,329	127,754			
Shwegyin	...	...	1,402	87,443	
Total ...	33,985	790,392	29,203	828,894	

The decrease in the number of logs and cubic feet in 1894-95 as compared with 1893-94 is due chiefly to drift lapsed to Government being left out in the figures for the latter year. The addition of the Toungoo and Shwegyin figures has helped to reduce the amount of this decrease.

Woods other than teak.

Division.	Timber.	1893-94.		1894-95.	
		Logs.	Cubic feet	Logs.	Cubic feet.
Toungoo	Padauk	...	.	4	196
West Salween ...	Unreserved woods	9	270	...	...
Salween-Attaran ...	Padauk	98	4,199	214	11,891
	Pyinma	236	13,885	316	26,760
	Thitka	1	52	...	...
	Kanyin	82	5,930	...	...
	Unreserved woods	..	...	40	1,085
Kado	Pyinma	...	..	90	4,402
	Thingan	3	225	...	...
	Kanyin	82	2,418	48	3,294
	Unreserved woods	95	5,709	...	...
South Tenasserim .	Pyinkado	1	35	...	...
	Thingan	15	1,652	...	...
	Kanyin	73	4,090	...	...
	Anan	70	168	...	...
	Kaunghmu	1	36	...	...
	Kadut	1	74	. .	...
	Unreserved woods	28	1,936	..	...
	Total ...	747	40,669	712	49,280

Expenditure on timber work.

The expenditure under A.—I. (*a*) was as follows:—

	1894-95.		
	Logs.	Rs. A.	P.
Deliveries of logs to Rangoon	4,084	59,767 4	7
Deliveries of logs to Moulmein	22,644	1,49,168 7	6
Local deliveries	548	6,778 6	11
Girdling		752 0	9
Establishment		2,413 10	10
Travelling allowance		722 13	1
Floating streams		500 0	0
Miscellaneous		17,367 12	6
Total		2,37,465 8	2

Outstandings.

24. The outstandings against contractors at the close of the year amounted to Rs. 72,146-10-0.

25. The timber extracted by Messrs. MacGregor and Company under their contract for certain forests in the Toungoo Division was—

	Logs.	Cubic feet.	Rs.	A.	P.
1893-94	14,448	929,170	3,95,611	13	8
1894-95	10,047	668,456	3,84,228	0	0

2.—Timber extracted under licenses.

26. The subjoined statements show the amounts of reserved and unreserved timber extracted by consumers and purchasers during the year under report compared with that extracted during the previous 12 months.

Reserved Woods.

Division.	Timber.	1893-94. Cubic feet.	1893-94. Revenue Rs. A. P.	1894-95. Cubic feet	1894-95. Revenue. Rs. A. P.
Toungoo ...	Teak	...	.....	695,391	3,39,707 14 3
	Thingan	...	.....	94	87 8 1
	Padauk	...	.....	224	392 2 6
	Kanyin	...	.....	50,000	4,000 0 0
	Pyinma	...	.....	1,928	309 7 9
West Salween	Teak	1,600	.....	.....	.....
	Other reserved woods	1,690	339 4 6	.....	.....
	Pyinma	...	.....	3,500	210 0 0
	Thingan	..	.....	185	97 11 3
Salween-Attaran	Thingan	93,497	92,010 3 7	9,744	4,285 14 9
	Kaunghmu	101,770	2,302 0 0	3,888	361 3 3
	Pyinma	440	66 0 0	18,105	1,090 6 0
	Kadut	4,350	870 0 0	923	184 6 5
	Thitka	4,921	984 3 0	15,770	3,156 0 9
	Padauk	904	504 12 0	603	337 12 0
Kado ...	Pyinma	1,500	299 13 3	1,705	270 15 6
	Thingan	1,972	986 6 0	300	164 14 10
	Kaunghmu	3,341	668 4 0	1,733	342 10 0
	Kanyin	...	.....	1,371	29 4 0
	Thitka		.....	50	10 0 0
	Thitkado	...	.....	50	10 0 0
Shwegyin	Teak	...	.....	1,498	877 15 3
	Thatkado	...	.....	568	81 3 3
	Thitka	...	.....	1,152	193 14 3
	Kanyin	...	.....	3,650	458 0 0
	Pyinma	...	.....	7,016	646 0 0
	Kaunghmu	...	.....	560	104 14 0
	Thingan	...	.....	669	354 5 6
South Tenasserim	Pyinkado	145,615	5,051 0 0	184,083	6,543 6 0
	Thitka	2,880	234 8 0	6,300	404 0 0
	Kamzoon	17,055	1,021 0 0	15,930	917 8 0
	Kgrawe	2,700	173 8 0	1,925	124 8 0
	Anan	2,340	157 8 0	4,005	268 8 0
	Kanyin	2,023	180 0 0	1,980	130 0 0
	Thitkado	1,215	66 8 0	135	10 8 0
	Kadut	225	99 3 3	585	104 0 0
	kaunghmu	1,700	272 0 0	488	92 9 0
	Thingan	62	36 5 6	333	166 9 6
	Total	391,940	46,372 7 1	1,041,910	8,06,081 3 5

27. There has been a large falling off in receipts in the Salween-Attaran Division on account of thingan timber due to a decline in the demand for thingan boat-hulls. In the South Tenasserim Division the decrease in receipts on account of boat-hulls is being replaced by an increasing demand for pyinkado for sleepers.

Unreserved Woods.

Division.	1893-94. Number of logs.	1893-94. Cubic feet.	1893-94. Revenue Rs. A. P.	1894-95. Number of logs	1894-95. Cubic feet.	1894-95. Revenue. Rs. A. P.
Toungoo	...	...	...	11,480	215,673	8,170 6 0
West Salween	998	40,040	1,986 8 0	434	21,880	680 8 0
Salween-Attaran	19,142	668,258	20,472 2 7	480,860	865,186	23,110 6 8
Kado	4,000	189,844	7,901 0 0	2,536	99,900	5,025 1 10
Shwegyin	...	...	...	16,797	204,486	69,476 9 8
South Tenasserim	25,194	268,850	8,246 3 11	23,671	243,440	7,300 0 0
Total	48,994	1,166,098	38,607 14 6	553,787	1,571,261	97,288 1 4

28. The extraction of firewood and charcoal, bamboos and canes during the Forest year under report, as compared with the extraction during the previous year, was as follows :—

Produce.	1893-94.			1894-95.		
	Cubic feet.	Revenue.		Cubic feet.	Revenue.	
		Rs.	A. P.		Rs.	A. P.
Firewood	1,159,750	9,078	1 6	1,486,984	9,992	0 4
Charcoal	71,400	629	8 0	287,900	708	0 0
Bamboos	Hds. 18,131	4,608	0 1	Hds. 88,598	8,472	2 8
Canes	„ 119,901	4,895	0 11	„ 115,818	7,068	8 6

3.—Timber extracted by lessees.

29. The following is a comparative statement of timber extracted from the leased forests in the Attaran during the years 1893-94 and 1894-95 :—

Kinds of timber.	Forest.	1893-94.			1894-95.		
		Logs.	Cubic feet.	Revenue.	Logs.	Cubic feet.	Revenue.
				Rs. A. P.			Rs. A. P.
Teak	Megwa Kyunchaung.	665	21,418	1,862 4 0	.	...	...
Teak	Mitiki Kodugwe.	1,012	13,482	536 12 0	1,185	40,151	2,517 5 0
Thingan		11	2,728	335 0 0	3	792	86 8 0
Pyinma		77	5,058	...	154	8,772	228 1 1
Thitka		...	...	...	3	280	11 8 2
Kaunghmu ...		1	497	..	...	...	... .
Pyinkado		18	299	.		..	
Thitpot		11	880	...	2	90	2 0 0
	Total ...	1,790	43,752	2,734 0 0	1,347	50,085	2,845 1 3

4.—Drift timber operations.

30. The following statement gives in detail the operations for the year :—

Division.	Timber.	Balance on 1st July 1894.		Arrived during the year.		Total.		Made over to claimants.		Sold or otherwise disposed of.		Total.		Balance on 30th June 1895.	
		Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Kado ...	River drift teak ...	7,236	4,198·24	8,864	4,447·28	16,100	8,645·52	3,865	2,519·70	2,940	1,527·22	6,805	4,046·92	9,295	4,598·60
	Woods other than teak ...	25	21·40	20	12·60	45	34	...	...	...	...	...	...	45	34
	Sea drift teak ...	242	45·38	2,492	500·10	2,734	545·48	150	66·26	2,044	373·28	2,194	439·54	540	105·94
Toungoo...	Teak drift ...	29	19·90	18,395	21,854·94	18,424	21,874·84	18,080	21,696·	21	16·44	18,101	21,712·44	323	162·40
	Woods other than teak ...	...	...	3	2·64	3	2·64	...	...	1	·84	1	·84	2	1·80
Shwegyin	Teak drift ...	881	792·90	7,704	6,935·72	8,585	7,728·62	7,348	6,618·20	131	120·02	7,479	6,738·22	1,106	995·40
	Woods other than teak ...	16	14·40	14	12·60	60	27·	3	2·70	11	9·90	14	12·60	16	14·40
South Tenasserim.	Woods other than teak ...	10	9·50	152	44·54	162	54·04	...	...	162	54·04	162	54·04	...	...
	Teak ...	...	...	7	8·56	7	8·56	...	...	7	8·56	7	8·56	...	...
	Total ...	8,439	5,101·72	37,651	33,818·98	46,090	38,920·70	29,446	30,897·86	5,317	2,110·30	34,763	33,008·16	11,327	5,912·54

31. Below is given a comparative statement by totals of logs of the drift timber operations for 1892-93, 1893-94, and 1894-95 :—

Year.	Balance on hand on 1st July.	Arrival during the year.	Total.	Made over to claimants.	Sold or otherwise disposed of.	Total.	Balance on 30th June.
	Logs.	Logs.	Logs.	Logs.	Logs.	Logs.	Logs.
1892-93 ...	5,517	6,989	12,506	2,831	2,207	5,038	7,468
1893-94	7,468	12,208	19,676	5,294	6,869	12,163	7,513
1894-95 ...	8,489	37,651	46,090	29,446	5,317	34,763	11,327

32. The balance brought forward on 1st July 1894 exceeds the balance on 30th June 1894; this is due to the figures of the Toungoo and Shwegyin Divisions having been included.

6.—Importation of foreign timber.

33. Details of the importations at Kado depôt for the Forest years 1892-93, 1893-94 and the year under report are as below :—

Year.	Timber.	Balance on 1st July.		Arrivals.		Clearances.		Balance on 30th June.	
		Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
1892-93	Teak	91,370	105,396·36	118,592	72,661·38	133,422	79,595·36	76,540	99,462 36
	Woods other than teak.	92	72·30	6	11·00	5	10·00	93	73·30
1893-94	Teak	76,540	99,462·36	134,811	80,792·50	117,815	70,121·32	93,536	110,133·54
	Woods other than teak.	93	73 30	32	32·84	8	25 68	117	130·46
1894-95	Teak ...	93,536	110,133·54	125,881	75,881·50	136,730	75,482·24	82,687	110,482·80
	Woods other than teak.	117	130·46	37	40·12	32	58·40	122	112·18

34. Compared with the previous year there is a decrease in arrivals of 8,930 logs of teak and an increase of five logs of woods of other kinds, and, as compared with the figures of 1892-93, an increase is shown of 7,289 teak and 31 logs of woods of other kinds.

The arrivals of teak timber at Kado as classified for the three years compare as follows :—

	1892-93.	1893-94.	1894-95.
Full-sized logs	78,249	80,581	72,866
Under-sized logs	34,366	47,452	44,580
Stem pieces	5,977	6,777	8,435
Total ...	118,592	134,810	125,881

7.—Extraction by right-holders.

35. Eight hundred and eighty-five cubic feet of unreserved woods, 52,000 bamboos, and 895 canes were extracted from reserved forests by right-holders.

(f) Extraction of Minor Forest Produce.

2.—Grazing.

36. No revenue was realized as the few cattle and elephants that graze do so by rights conferred by settlement.

3.—Miscellaneous produce.

37. The revenue realized during the Forest year under report from minor forest produce was Rs. 30,270 as against Rs 8,562 during the previous year.

This large increase is due to the inclusion in the year under report of the figures for Toungoo and Shwegyin, and also to the revenue from bamboos and canes being shown under this head and not under major produce as was the case in the previous year.

38. Hammer-marks registered, &c., for teak and for woods other than teak during the year under report were as follows :—

	No.	Rs
New marks for teak	96	9,600
Marks renewed for teak at Rs 25	70	1,750
Marks renewed for teak at Re. 1 ...	887	887
Marks for teak transferred ...	63	630
New marks for woods other than teak ...	34	170
Marks for woods other than teak renewed .	11	55
Marks for woods other than teak transferred ...	5	25
Total ..		12,617

The revenue realized for hammer-marks shows an increase of Rs. 3,099 as compared with the revenue realized in the previous year.

39. The total number of sawpit licenses issued during the past year amounted to 5,962 realizing Rs. 1,573-12-0, as against 1,790 realizing Rs. 659-4-0 in the previous year.

CHAPTER III.

40. The following statements show in detail the gross outturn separately for reserved and unreserved forests of major and minor forest produce during the Forest year 1894-95 :—

Forests.	Teak.			Reserved woods other than teak.			Unreserved woods.			Firewood and charcoal.	
	Logs.	Tons.	Value.	Logs.	Tons.	Value.	Logs.	Tons.	Value.	Cubic feet.	Value.
By Government Agency.			Rs. A. P.			Rs. A. P.			Rs. A. P.		Rs. A. P.
Reserved forests	10,539	4,864·26	5,15,731 0 0	...	...	...	...	...	...	...	...
Unreserved forests	18,663	11,703·62		966	964·90	17,371 12 11	40	20·7	618 0 0	...	...
By Consumers and Purchasers.											
Unreserved forests	...	13,988	3,40,085 13 6	...	6,901·64	25,995 5 11	553,781	30,314·12	92,531 1 4	38,497·68	10,599 6 0
By Lessees.											
Unreserved forests	1,185	803	2,517 5 0	168	196·9	825 12 3	2	1·8	2 0 0	...	...
Under Free Grants.											
Unreserved forests	186	114·92	1,690 0 0	...	152·84	666 0 0	...	...	...	...	...
By Right-holders.											
Unreserved forests	...	...	...	Pieces. 177	18	45 0 0	82	66	46 0 0	183	34 0 0

Forests.	Produce.	Quantity	Value.	Remarks.
			Rs.	
Reserved	Thekke ... ... Bdls.	6,750	85	
	Salu ... ... ,,	7,890	168	
	Shaw ... ... Viss.	50	5	
	Kanyin ... ... ,,	450	30	
	Honey ... ... ,,	100	10	
	Bamboos ... ... No	882,820	1,008	
	Canes ... . ,,	3,760	483	
	Bamboo shoots ... ... Bkts.	20	4	
	Thitsi .. .. Viss.	900	60	
Unreserved	Wood-oil ... ... Viss	284,257	5,650	
	Thatch ... ... No	1,128,300	3,877	
	Bamboos ... ... ,,	2,977,465	7,469	
	Shaw ... ... ,,	16,450	420	
	Canes ... ... ,,	11,577,520	7,180	
	Honey and wax ... ... Viss	5,160	516	
	Limestone	...	20	
	Pwonyet . ... Viss.	400	16	
	Tazinban ... ... Bkts.	48	72	
	Gamonban . .. ... ,,	..	2	
	Bamboo shoots ... ... ,,	220	44	
	Cardamoms	...	2,490	
	Salu ... ... Viss	24,400	61	
	Thin .. .. ,,	152	304	
	Ondon bark .. .. Tons.	950	95	
	Pyu bark ... ... ,,	1,540	154	
	Malaka bark ... ... ,,	22	33	
	Kalamet ... ... Viss.	700	14	
	Tonwè ... ... ,,	6,900	26	
	Total ..	.	30,280	

Disposals and Sale Depôts.

41. The arrivals and disposals at the Moulmein depôt were as follows:—

Description of timber	Balance on hand, 1st July 1894		Arrivals during the year.		Sales and disposals during the year		Balance on 30th June 1895	
	Logs.	Tons.	Logs	Tons.	Logs	Tons.	Logs.	Tons.
Teak ...	3,808	1,061	24,109	10,908	25,749	11,016	2,168	953
Woods other than teak	1,271	1,062	708	983	1,822	1,398	657	647
Miscellaneous sleepers, &c.	21	15	4,724	1,846	4,722	1,841	23	20
Total ...	5,100	2,138	29,541	13,737	31,793	14,255	2,848	1,620

42. The sales from the Moulmein depôt amounted to Rs. 3,74,825 during the year under report.

Description of timber.	No.	Tons.	Value.	Per ton.
			Rs. A P.	Rs. A. P.
By teak auction sale	25,737	11,010	3,57,885 12 0	32 7 4
By kanyin auction sale	33	25	1,368 0 0	54 9 7
By thitka auction sale	5	4	65 0 0	16 4 0
By pyinma auction sale	202	201	2,605 0 0	12 15 4
By padauk indent sales	29	31	2,195 4 0	70 13 0
By pyinma indent sales	691	868	10,641 7 8	12 4 1
By petwun indent sales	14	8	168 0 0	21 0 0
By pyinma scantlings indent sales	.	22	396 1 3	18 0 0
Total	26,761	12,169	3,74,824 8 11	

The value of the stock on hand on the 30th June 1895 was Rs 2,28,277 as against Rs. 55,795 on the 30th June 1894.

43. The arrivals and disposals of timber in the sale depôt, South Tenasserim Division, during the year were as follows:—

Description of timber.	Balance on 1st July 1894.		Arrivals during the year.		Disposals during the year.		Balance on 30th June 1895.	
	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Woods other than teak inclusive of waif and drift.	135	182	159	53	293	233	1	2
Sleepers and scantlings	...	6	...	...	...	3	...	3

Foreign Timber.

44. The following is a comparative statement of the duty paid on the importations of the above during the Forest year 1894-95 and the previous 12 months:—

Forest year.	Particulars.	Number of logs on which duty was paid.	Estimated tonnage.	Value.	Amount of duty.
				Rs. A. P.	Rs. A. P.
1893-94 ...	Teak	118,211	70,318	41,86,430 10 0	2,89,550 11 9
	Woods other than teak...	8	26	1,621 8 0	113 8 3
	Total ..	118,219	70,344	41,88,052 2 0	2,89,664 4 0
1894-95 ...	Teak	187,851	76,040	43,95,653 2 0	3,07,700 12 6
	Woods other than teak...	32	58	1,814 8 0	126 15 9
	Total ..	187,883	76,098	43,97,467 10 0	3,07,827 12 3

Showing an increase of 19,664 logs on which duty was paid, a similar increase in tonnage of 5,754 tons, in value of Rs. 2,59,415, and in consequent amount of duty of Rs. 18,163.

45. The average market value during the year was Rs. 31-14-2 per log or Rs. 57-8-10 per ton as against Rs. 34-15-10 per log or Rs. 58-13-2 per ton during 1893-94.

46. The total exports of teak timber from the port of Moulmein were 84,456 tons of an estimated value of Rs. 58,68,527, as against 85,722 tons estimated at Rs. 60,39,428 during the previous Forest year.

47. Details of the exports of teak and other timber, &c., from Moulmein are shown in Appendix F and the prices ruling in the home market for teak squares in Appendix J and in the Bombay and Calcutta markets in Appendix J (1).

CHAPTER IV.

Financial results.

48. The revenue and expenditure amounted to—

		Rs.
Revenue		15,44,080
Expenditure	A. 4,18,959 B. 1,78,831	5,97,790
Surplus ...		9,46,290

49. The comparative statement of the financial results for the last five Financial years and the three Forest years is given below :—

Financial year.	Revenue. Rs.	Expenditure. Rs.	Surplus. Rs.
1890-91 ...	5,74,849	A. 2,35,230 / B. 96,464 = 3,31,694	2,42,655
1891-92 ...	6,50,600	A. 2,43,608 / B. 1,05,310 = 3,48,918	3,01,687
1892-93 ...	7,95,776	A. 2,79,045 / B. 1,10,715 = 3,89,760	4,06,016
1893-94 ...	8,81,849	A. 2,93,371 / B. 1,21,586 = 4,14,957	4,66,892
1894-95 ...	10,05,868	A. 3,49,810 / B. 1,55,010 = 5,04,820	5,01,048
Forest year.			
1892-93 ...	9,16,112	A. 3,08,706 / B. 1,39,248 = 4,47,954	4,68,158
1893-94 ...	9,53,444	A 3,01,762 / B. 1,26,678 = 4,28,440	5,25,004
1894-95 ..	15,44,080	A. 4,18,959 / B. 1,78,831 = 5,97,790	9,46,290

50. The following statement shows the revenue and expenditure of each division :—

Division.	1893-94.			1894-95.		
	Revenue.	Expenditure	Surplus.	Revenue.	Expenditure.	Surplus.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
Toungoo ...	...	...	.	4,99,297	1,18,745	3,80,552
West Salween ...	88,129	82,210	5,919	86,562	71,810	14,752
Salween-Attaran ...	3,69,221	1,84,442	1,84,779	2,98,513	1,82,595	1,15,918
Kado ...	4,59,815	1,18,148	3,41,667	4,08,847	1,10,359	3,58,488
Shwegyin ...	...	...	...	1,56,094	65,173	90,921
South Tenasserim ...	36,279	21,448	14,831	34,767	21,178	13,589
Agency ...	...	22,192	—22,192	...	27,930	— 27,930
Total ...	9,53,444	4,28,440	5,25,004	15,44,080	5,97,790	9,46,290

51. The revenue of the year was realized as follows :—

Items.	1893-94.	1894-95.	1894-95.	
			Increase.	Decrease.
	Rs.	Rs.	Rs.	
Timber	5,09,988	10,09,188	4,99,200	...
Firewood and charcoal	9,708	10,500	792	...
Bamboos and canes	9,003	16,138	7,135	...
Other minor produce	8,450	14,149	5,699	...
Confiscated drift	1,05,068	1,60,080	55,012	...
Foreign duty	2,89,664	3,07,828	18,164	...
Miscellaneous	21,563	26,197	4,634	...
Total ...	9,53,444	15,44,080	5,90,636	...

52. The expenditure of the year contrasts as follows with that of 1893-94 :—

Budget heads.	1893-94.	1894-95.	Increase.	Decrease.
A.—*Conservancy and Works.*	Rs.	Rs.	Rs.	
I.—Timber, &c, removed from the Forests by Government agency.	1,84,782	2,88,634	53,852	...
II.—Timber, &c., removed from Forests by consumers, &c.	4,925	6,773	1,848	...
III.—Confiscated drift and waifwood	44,451	79,042	34,591	...
IV.—Foreign duty	7,375	8,596	1,221	...
VI.—Live and dead stock	7,965	11,586	3,621	...
VII.—Communications and buildings ...	8,482	6,262	2,680	...
VIII.—Demarcation, improvements and extension of Forests.	47,783	66,522	18,739	..
IX.—Miscellaneous	1,049	1,544	495	...
Total A ...	3,01,762	4,18,959	1,17,197	...
B.—*Establishments.*				
I.—Salaries	1,11,684	1,51,489	39,805	...
II.—Travelling allowances	12,880	19,218	6,338	...
III.—Contingencies	2,064	8,174	5,510	..
Total B ...	1,26,678	1,78,881	52,153	...
Grand Total of Expenditure ...	4,28,440	5,97,790	1,69,350	...

The expenditure has increased under all budget heads due to the inclusion of the figures for Toungoo and Shwegyin.

CHAPTER V.

53. The charge of the Tenasserim Circle during the year under report was held as follows :—

Lieutenant-Colonel C. T. Bingham, Conservator of Forests, from 1st July 1894 to 18th April 1895.

Mr. J. Nisbet, Officiating Conservator of Forests, from 19th April 1895 to the close of the year.

As the writer of this report did not join the circle until after the end of the year, this report is practically confined to a mere statement of facts.

54. The divisions were held as follows :—

West Salween division.—From 1st to 28th July 1894 by Lieutenant-Colonel C. T. Bingham, Conservator of Forests, and from 29th July 1894 to the close of the year by Mr. M. H. Ferrars, Deputy Conservator of Forests.

Kado division.—From 1st July to 8th September 1894 by the late Mr. T. H. Aplin, Deputy Conservator of Forests, and from 9th September 1894 to the close of the year by Mr. A. Weston, Deputy Conservator of Forests

Salween-Attaran division.—From the 1st July 1894 to 4th April 1895 by Mr. T. A. Hauxwell, Deputy Conservator of Forests; from 5th April 1895 to 22nd May 1895 by Mr. A. Weston, Deputy Conservator of Forests; and from 23rd May 1895 to the close of the year by Mr. G. F. R. Blackwell, Deputy Conservator of Forests.

Toungoo division.—From the 1st July 1894 to 8th April 1895 by Mr. G. Q. Corbett, Deputy Conservator of Forests, and from 9th April 1895 to the close of the year by Mr. T. A. Hauxwell, Deputy Conservator of Forests.

Shwegyin division.—From 1st July 1894 to the 13th September 1894 by Mr. J. Messer, Assistant Conservator of Forests, and from 14th September 1894 to the close of the year by Mr. C. Ingram, Extra Assistant Conservator of Forests.

South Tenasserim division.—From 1st July 1894 to 15th May 1895 by Mr. G. F. R. Blackwell, Deputy Conservator of Forests, and from 16th May 1895 to the close of the year by Mr. G. R. Long, Assistant Conservator of Forests.

Agency Division from 1st July 1894 to 4th April 1895 by Mr. T. A. Hauxwell, Deputy Conservator of Forests, and from 5th April 1895 to the close of the year by Mr. A. Weston, Deputy Conservator of Forests.

55. The following officers have been on leave during the year : Mr. M. H. Ferrars, Deputy Conservator of Forests, from 1st to 28th July 1894; Mr. A. Weston, Deputy Conservator of Forests, from 1st July 1894 to 8th September 1894; Mr. G. R. Long, Assistant Conservator of Forests, from 5th June to 20th September 1894; and Lieutenant-Colonel Bingham, Conservator of Forests, from 19th April to the end of the year.

56. The annexed statement shows the distribution and cost of the permanent and temporary establishments for the forest year 1894-95 as compared with the previous 12 months :—

Division.	1893-94.		1894-95.	
	Cost of permanent establishment.	Cost of temporary establishment	Cost of permanent establishment.	Cost of temporary establishment.
	Rs.	Rs.	Rs.	Rs.
Toungoo	...	...	9,268	2,186
West Salween	3,386	1,380	2,911	1,364
Salween-Attaran	6,167	1,815	7,786	1,607
Kado	13,870	12,512	12,848	13,605
Shwegyin	...	...	4,993	3,075
South Tenasserim	4,415	1,614	4,480	2,086
Agency	9,216	3,131	9,350	3,249
Total .	36,554	20,452	51,131	27,122

General Remarks.

57. There were 27 elephants at the beginning of the year; this number was increased by the birth of one calf; four were transferred to the Pegu circle and one died, leaving 23 elephants at the close of the year. The average monthly cost was Rs. 31-4-10 as against Rs. 34-5-0 in the previous year; Rs. 401 were recovered on account of their use from officers.

58. The launch *Katinka* attached to the circle cost in coals, stores, wages, &c., Rs. 6,552-1-0. She made 114 trips aggregating 4,580 miles as against 103 trips aggregating 4,321 miles in the previous year.

The *Katinka* was under steam 1,020 hours as against 962 hours in the previous year.

59. The total number of reserves in the circle is 71, out of which number 58 were not visited by the Conservator during the past two years.

60. From personal inspection of his work and from notes left me by my predecessor I have pleasure in testifying to the good work done by Mr. A. Weston.

61. The same remark applies to Mr. Johnson, the Superintendent, who has as usual given entire satisfaction.

RANGOON :
The 26th September 1895.

G. F. PREVOST,
Offg. Conservator of Forests, Tenasserim Circle.

REPORT

ON

FOREST ADMINISTRATION

IN

THE PEGU CIRCLE

For the year 1894-95.

BY

F. W. THELLUSSON, ESQUIRE, OFFG. CONSERVATOR OF FORESTS, PEGU CIRCLE.

INTRODUCTION.

THE chief events in the history of the Pegu Forest circle during 1894-95 were the transfer of the Toungoo and Shwegyin divisions to the Tenasserim circle on the 15th November 1894, thus conveying to the latter the bulk of the valuable forests drained by the Sittang river, and the splitting up of the Western divisions into two separate charges—the Bassein-Myaungmya and the Henzada-Thôngwa divisions.

2. As now constituted the Pegu circle comprises seven territorial divisions and a Government Timber depôt and Agency division in Rangoon.

The following approximate statistical information concerning these has been collected in similar tabular form to what is exhibited in the Inspector-General of Forests' Annual Review of Forest Administration in British India.

Forest Division.	Civil district.	Total area in square miles.	Forest area in square miles.					Percentage of		Remarks.
			Reserved forests.		Protected forests.*	State Unclassed forests.	Total forest area.	Forests	Reserves	
			State forests.	Taungya areas.				To whole area of divisions.		
Thayetmyo ...	Thayetmyo ...	4,761	560	...	..	451	1,011	38	18	Total area under cultivation about 5,875 square miles.
Prome ...	Prome and Tharrawaddy.	2,747	401	54	...	459	914	32	16	
Tharrawaddy...	Tharrawaddy ...	2,014	567	171	...	209	947	45	35	
Rangoon ...	Hanthawaddy ...	1,948	282	13	158	205	658	34	15	
Pegu ...	Pegu and Tharrawaddy.	2,428	597	133	111	96	937	32	30	
Bassein-Myaungmya.	Bassein and Myaungmya.	6,455	...	...	62	5,050	5,112	79	...	
Henzada-Thôngwa.	Henzada and Thôngwa.	6,164	160	...	21	4,224	4,405	71	3	
Agency ..	Rangoon Town ...	22	...	...	...	...	...	...	...	
Totals ...		26,589	2,567	371	352	10,694	13,984	53	11	

* Proposed reserves not yet settled are shown as protected forests.

3. The average revenue of the circle for the past five years has been Rs. 23,61,170, the average expenditure Rs. 8,56,757; whilst for 1894-95 the revenue was Rs. 19,62,240 and the expenditure Rs. 7,19,045; the average surplus for the five past years was Rs. 15,04,413, for the past year Rs. 12,43,195.

4. The outturn in produce for the year was—

	Tons.
Timber	216,723
Bamboos	15,083,100
Canes	783,500

as compared with—

	Tons.
Timber	281,020
Bamboos	17,848,768
Canes	909,532

But in neither case do these figures include timber extracted free of charge for domestic and agricultural purposes.

5. The outturn included—

	Tons.
Teak	22,856
Reserved woods	1,867
Pyinkado	85,144
Other unreserved woods	41,189
Firewood	116,667

6. Extraction of teak has been carried out under the same conditions as formerly obtained, and as was stated in last year's report it is desirable that a larger expenditure be sanctioned for the general increase of natural and artificial reproduction, fire-protection, and establishment.

7. In compliance with the orders contained in the Revenue Secretary to the Chief Commissioner's Forest Department No. 41-1M.—5, of the 2nd July 1895, the following is a list of reserves unvisited by the Conservator for two consecutive years:—

FIRE-PROTECTED RESERVES.

Thayetmyo division.—Kyaukletgya, Thegôn.
Prome division.—Middle Nawin.
Tharrawaddy division.—Myodwin, Minhla, Mokka, Kadin Bilin, Myaung.
Pegu division.—South Zamayi.

RESERVES NOT FIRE-PROTECTED.

Thayetmyo division.—Thabala, Saingdo.
Prome division,—Tonyè, Tarokmaw, South Nawin, North Nawin, Sinmezwè, Shwekyundaw.
Tharrawaddy division.—Thetkyo, Gamôn, Chaungnagôn, Taukkyan, Thakolôn, Satpôk, Sitkwin, Thindawyo.
Rangoon division.—Thebyu, Wanetchaung, Hmawbi, Kyunchaung.
Pegu division,—North Zamayi, Kadet, Letpan, Pyinbôngyi.
Henzada-Thôngwa division.—South Myanaung.

There are thus eight fire-protected reserves which have been unvisited during the last two years and 26 not so protected.

There are at present 67 reserves in the circle; two years ago there were 95. During the last two years the Conservator was in camp 199 days, during which he visited 33 reserves now in the circle and most of the 28 reserves thrown out of the circle.

CHAPTER I.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

1.—Alteration of area.

Increase of area.

9. There has been an increase in the area of reserved forests of 44 square miles and a net area 16 square miles has been added by the revision of areas made by the survey and now aggregates to 2,938 (*vide* Appendix, Form 46).

2.—Forest settlement.

Settlement during the year.

10. The areas finally settled and notified during the year were—

Division.	Civil District.	Reserve.	Sq. miles.	Notification.
Prome.	Prome	Gonbale	6	No. 804, dated 22nd Sept. 1894.
		Oleswè	8	do do.
		Kyineik	7	do do
		Kyatgôn	13	do do
		Wetlaung	10	No. 52, dated 14th Feby. 1895.
			44	

Settlement pending.

The settlement of the following areas was undertaken during the year, but final notifications were not issued at the close of the year:—

Division.	Reserve.	Sq. miles.	Preliminary Notification.
Pegu ...	Block 1	15·86	No. 451 of 30th November 1894.
	Block 2	43·49	do do
	Block 3	11·84	do do
	Block 4	40·77	do do
Henzada-Thóngwa...	Menmahla*	21·00	No. 179, dated 7th May 1894.

(*Has since been sanctioned.)

Reduction in estimated catch areas in the Prome division.

11. As anticipated in last year's report the settlement of the Prome catch reserves reduced the area put down at 97 square miles to 44 square miles. The total cost of these operations came to Rs. 617-11-3.

New proposals.

12. No other proposals for reservation were submitted during the year beyond four tracts in the Twante subdivision with an area of about 157·67 square miles which have been preliminarily notified as fuel reserves (*vide* Notification No. 485 of 20th December 1894). An enquiry will be held about these during the cold season.

3.—Demarcation.

Demarcation.

13. The demarcation incomplete at the close of last year as mentioned in last year's report was fully completed.

The boundaries of eight reserves aggregating 122 miles in length were finally demarcated at a cost of Rs. 410 averaging Rs. 3-5-9 per mile.

There was no demarcation incomplete at the close of the year.

Repairs to boundaries.

14. The total length of boundaries of 11 reserves repaired came to 218 miles and cost Rs. 1,119, but of this sum Rs. 727 were spent in the construction of 233 new mounds and posts, thereby reducing the average expenditure per mile in repairs.

Surveys.

Forest survey operations.

15. The following information has been furnished by the Superintendent, No. 20 Party, Survey of India, employed in the Survey of the Pegu Yoma forests. It includes work in the Tenasserim circle as well as in the Pegu circle, for which latter separate details are not available.

Approximate area completed—

	Detail.	Sq. miles
Forest reserves	4"	347·21
Unreserved forests	2"	33·50
Revisions	4'	12·50

Approximate area prepared in advance—

	Sq. miles.
Triangulated	440
Traversed	500

	Rs. A. P.
Actual cost for for six months ending March 1895	72,019 7 10
Probable cost for six months ending 30th September 1895	44,832 8 2

"The rough sketch maps furnished by the Forest Department served as guides to the boundaries and proved effective. In cases of doubt Forest Officers were consulted.

"The demarcations of reserves as made by the Forest Department were as a rule clear and easily followed.

"The detail camp was employed on sheets 231, 232, 277, 278, 279, and 280 and completed the survey of the reserve traversed in the previous season in the Hanthawaddy district, and about 50 square miles of the Paunglin reserve in the Pegu district. The work was regularly tested. The forests and soil in the reserves under survey were classified this season.

"The traverse camp was employed in the Toungoo and Shwegyin districts and in the forest reserves on the eastern slopes of the Yoma range. It also completed the traverse survey of the Paunglin and Pyinma reserves in the Pegu district. The traverse outturn was considerably greater than in former years and there are ample data for next season's detail work.

"As in previous years the triangulators had to contend with unusual difficulties, but succeeded in keeping pace with the traverse work. The health of the party was good. There were three deaths during the field season—two from disease and one from accident. The party was actually in the field from 23rd November 1894 to 31st May 1895.

"In the Henzada division a survey of a portion of the Mamya chaung was made by the Divisional Officer at a cost of Rs. 38."

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—Regulation of Forests.

(a) Working-plans and their control.

16. No working-plans were prepared during the year. The only working-plan party sanctioned for Lower Burma was at work in the Toungoo division. The details of its work will therefore be found in the Tenasserim report.

In Tharrawaddy it was hoped that working-plans could be drawn up by the Divisional Officer for the Satpôk and Thindawyo reserves; but owing to press of work this could not be done nor could any preliminary countings be made.

A deviation from the sanctioned working-plan occurred in the Tharrawaddy division. Owing to the estimates of trees available for girdling in compartments Nos. 23 and 24 of the Gamôn reserve being incorrect, 432 trees in excess of the maximum fixed for the first sub-period of that working plan were inadvertently girdled, the sanction of the local Government being subsequently conveyed to the deviation.

(b) Annual plan of operations.

17. *Deviations.*—The girdlings estimated in the Shwelo, North Nawin, South Nawin, and Chaungzauk working circles were in each case exceeded, the available number ultimately being 5,569 trees in place of 4,100 estimated. In the improvement girdlings, &c., in the Chaungzauk compartment No. 4 (1,016 acres) was not worked over.

The divisional plans of operations were well worked up to.

The principal deviations were as follows:—

Thayetmyo.—Owing to want of labour, until too late in the season planting operations could not be carried out in the Kyaukletgya reserve. There was shortage in the extraction of teak owing to want of rain and sickness amongst contractors' coolies.

Prome.—Sowings in Chaungzauk were not carried out owing to a misunderstanding of orders on the part of the Ranger.

Rangoon.—Shortage of 150 trees took place in the Ôkkan forests as only 50 trees were found reaching the girth limit. Extraction of teak fell short owing to neapings. No pyinkado could be got out owing to contractors refusing to work for rates prescribed by the Conservator. Weedings of plantations 1890, 1888, 1886, 1884, and 1880 were not carried out owing to Ranger's misapprehension of instructions, whilst those of 1873, 1874, 1875, and 1891 were weeded instead.

Pegu.—Delivery of teak to Rangoon showed a shortage of 589 logs due to the outbreak of an epidemic amongst contractors' elephants, nine of which died.

Henzada.—The demarcation of the Meinmahla reserve had to be delayed pending its formal notification.

II.—Working of the year

(a) Communications and buildings.

18. During the year Rs. 1,969-10-0 were spent on new roads and bridges and Rs. 108-4-3 on repairs as under:—

Tharrawaddy.—Rupees 1,134 on opening out a road in the Kangyi reserve and in clearing jungle on the Kangyi-Bawbin road.

Rangoon.—Rupees 514-10-0 in making a bridge over the Salusan stream and Rs. 8-2-3 in repairing old culverts.

Pegu.—Rupees 321 in constructing a new bridge at Hlegu, Rs. 65 in clearing inspection paths in the Paunglin and Zamayi reserves, and Rs 21 repairing the road to the Pegu bungalow.

Agency.—Rupees 9-2-0 were spent in repairing bridges and crossings.

19. Rupees 8,074 were spent on new buildings and Rs. 3,451-4-11 on repairs as under :—

Thayetmyo.—Rupees 500 for a new rest-house and Rs. 121 on repairs to Forest bungalow.

Pegu.—Repairs to Forest bungalow Rs. 208, repairs to Hlegu revenue station Rs 28 ; repairs to Pegu revenue station Rs. 64 ; fencing site of new bungalow and office Rs. 45.

Prome.—Rupees 386 on repairs to Forest bungalow, Rs. 140 repairing elephant shed and mahout's quarters. Rupees 89 for repairing subdivisional bungalow at Paungdè and Rs. 60 in repairing six rest-houses in the forests.

Tharrawaddy.—Rupees 71 in erecting a new bamboo rest-house ; Rs. 712 in repairs to Forest Office ; Rs. 197 in repairs to Forest bungalow ; Rs. 238 in repairs to five rest-houses.

Rangoon.—Rupees 136-13-11 were spent in re-roofing Palôn and Kinpadi bungalows and outhouses.

Agency.—Rupees 954-7-0 in repairs to buildings at the Alôn Depôt and the Pazundaung revenue station.

Bassein.—The Forest bungalow was completed at a cost of Rs. 7,458 and Rs. 117 spent on earth-oiling the same and depôt outhouses.

Floating streams.

20. In the Tharrawaddy division Rs 3,771-9-4 was spent in blasting obstructions in the Taungmyo chaung above Nyanle, Rs. 57-5-0 in removing fallen trees, Rs. 18-8-0 in closing two breaches on the Kantha chaung, and Rs. 327-13-9 to Department of Public Works for protecting the railway bridges across the Gamôn, Bilin, and Thônze streams

Other works.

21. At the Government Timber Depôt Rs. 325 were spent in excavating creek No. 2.

(*b*) *Protection of Forest from injury*

1.—*General Protection and breaches of Forest Law.*

22. At the commencement of the year there were 210 cases pending and 124 pending at the close.

During the year 2,312 cases were reported. In 330 cases prosecution was resorted to, resulting in 286 convictions, involving 402 persons. There were 44 acquittals ; 1,992 cases were compounded for Rs. 13,831-3-9. In 31 cases the accused absconded and 20 cases were undetected. Rupees 412 were paid as rewards to informers. A large number of the cases were on account of the illicit felling of teak and cutch. Of these no less than 1,161 cases occurred in the Thayetmyo division. The compensation fixed was generally 8 annas for a cutch tree and Re. 1 for a small teak tree. Though the number of cases was greater than last year, the amount received in compensation was less. There were four cases of setting fire to reserved forests, in one of which the accused was sentenced to six months' rigorous imprisonment. In the Tharrawaddy and Thayetmyo divisions incendiarism was very rife. The Kangyi reserve was fired eight or nine times in as many days, but owing to the absence of reliable evidence no action could be taken. Divisional Officers complain of the inconvenience experienced by delay of disposal of cases by Myoôks and the lack of assistance from the civil and police authorities.

2.—*Protection from Fire.*

Forest fires.

23. The operations were as follows :—

	1893-94.	1894-95.
	Sq. miles.	Sq. miles.
Protection attempted	311	352
Protection successful	281	295
	Rs.	Rs.
Cost per square mile attempted	51	47
Cost per square mile protected	57	56
	Sq. miles.	Sq. miles.
Failures	30	57
Of which plantations	1	5

Sixty-seven fires occurred during the year, of which 13 were due to want of care on the part of the establishment and covered an area of 13,064 acres ; three fires covering an area of 1,946 acres through carelessness on the part of ya cutters; 24 fires, covering an area of 7,126 acres, due to wilful incendiarism; nine fires covering an area of 2,437 acres, due to incendiarism not wilful; and 18 fires covering an area of 12,037 acres, due to unknown causes.

In the Tharrawaddy, Prome, and Thayetmyo divisions especially it is quite impossible for the present subordinate establishment to exercise an efficient supervision over the fire-watchers. It is hoped, however, that the contemplated re-organization of the subordinate staff will be effected before next fire season.

Fires in areas not specially protected.

24. The greater part of the forests in which no special measures were taken for protection from fire were burned with the exception of tidal forests. In the Okkan range of the Rangoon division, however, a portion of the forests were saved, and in the Pegu division through the exertions of the Divisional Officer, assisted by the Deputy Commissioner, 589 square miles out of a total of 730 square miles escaped being burned.

Injury to plantations from fire.

25. In the hot season of 1894 644 acres were burned. In the Tharrawaddy division 618 acres were burned; of these the Divisional Officer inspected 276 acres and reports that in a few small patches only was any damage discoverable. In the Prome division of the 26 acres burned about 4 acres suffered severely, the remainder but slightly. In the Thayetmyo division about 400 acres were burned. The Divisional Officer inspected about half the area and reports that cutch under three years suffered considerably, but older cutch escaped without serious damage.

The effects of fire-protection and its influence on natural reproduction.

26. The Divisional Officer, Tharrawaddy, states as follows :—

(*a*) That fire-protection permits the formation of humus and prevents that burning of the soil into red bricks which is such a feature in unprotected forests when the soil is argillaceous.

(*b*) That this humus forms a better seed bed, and that seeds are not washed down into gullies by the rain as is the case when the soil is baked hard and left exposed.

(*c*) That teak, however, as its seed takes longer to germinate than the seeds of fast-growing grasses, bamboos, &c., fares badly in the struggle for existence and is kept back by being overtopped and is often suppressed.

(*d*) That teak seed is less affected by fire than the seed of most of the inferior species and is as a rule but little damaged by the ordinary ground fires and is therefore in unprotected forests often left in undisputed possession of the soil.

(*e*) Teak seedlings also suffer less from fire than seedlings of other species. They may be burned down, but will spring up again year after year until they are strong enough to resist fire. It is probable, however, that a great deal of our hollow timber is due to this burning. Cutch, pyinkado, and many other seedlings, however, do not survive a burning.

Summary.

27. Fire-protection would therefore appear to be detrimental to the natural regeneration of teak if carried out strictly year after year, but not so for many other trees.

In plantations, or wherever the seedlings of any species are established, fire-protection is absolutely necessary.

Regulation of Grazing and Protection from cattle.

28. Out of an area of 2,938 square miles of reserved forests cattle were not permitted to graze over 2,801 square miles; 134 square miles were open to grazing for a part of the year either to right-holders or on payment of fees. The fees amounted to Rs. 840-12-0 for 1,406 head of cattle; 15,131 were grazed free of charge by right-holders.

(*c*) *Improvement of Forest growth.*

1.—Natural Reproduction.

29. In the Thayetmyo division the Divisional Officer notices that the reservation of cutch has already produced good results. Young cutch trees which had been spared when taungyas were made had a year's start of other vegetation and dominated other growth; the best results were seen in cotton yas which are cultivated two and three years in succession.

Unfortunately from a Forest point of view temporary orders have been issued in the Minhla and Meydè subdivisions allowing cutch trees under 15 inches girth to be felled in taungyas, although both the Deputy Commissioner and the Divisional Officers reported that reservation of cutch did not seriously interfere with ya cultivation.

The natural regeneration of cutch and teak in the Prome division is reported to be fairly good and that of pyinkado to be excellent in fire-protected areas. The Divisional Officer, Tharrawaddy, remarks that in fire-protected areas the reproduction of pyinkado is good, but not so that of teak. The Divisional Officer, Pegu, states that the natural reproduction of teak, pyinkado, and pyinma is excellent in the forests in the Zamayi range. The Divisional Officer, Bassein, attributes the very poor natural reproduction in those forests to annual fires. In the Henzada division some reproduction of teak was noticed in the Ôkpo range, and in the Thayetmyo division the natural reproduction of pyinkado was favourably remarked on in the East Yoma reserve.

Artificial reproduction.

30. Regular plantation involved an expenditure of Rs. 1,778-9-6 compared with Rs. 1,882-2-2 last year. The total expenditure now comes to Rs. 3,246-7-4 in all.

Taungya plantations. The expenditure during—

	Rs.	A.	P.
1893-94	325	8	10
1894-95	36,210	9	0
1895-96	2,974	6	9
Total ...	39,510	8	7

Formation.

	Acres.	Rs.	A.	P.
Teak	1,568			
Teak and cutch	458			
Prome cutch	385			
	2,350	19,200	6	8
Seed for 1895		2,974	6	9

Maintenance.

Weeding plantations of—

	Acres.	Cost. Rs.	A.	P.
1893	1,700	3,260	9	2
1892	1,653	3,226	1	1
1891	432	289	13	1
1890	1,558	3,204	7	0
1889	241	519	15	0
1888	758	1,184	8	0
1886	692	1,440	8	0
1881	1,192	1,990	4	0

	Acres.	Rs. A. P.
Weeding plantations of other years—		
Prome division	417	267 0 0
Tharrawddy division	1,069	1,699 14 0
Rangoon division	630	249 8 10
Pegu division	30	68 8 0
Total ...		89,510 8 7

Cutch plantations.

31. An area of 3 5 acres was planted with pure cutch in the Thayetmyo and Tharrawaddy divisions and 458 acres of teak and cutch in the Thayetmyo and Prome divisions.

Cultural operations.

32. The Divisional Officer, Tharrawaddy, having reported the possibility of extensive flowering of myinwa bamboos in the Bawbin and Taungnyo reserves large supplies of teak seed were gathered with the intention of dibbling in teak over these areas, but only an area of 2,141 acres in the Bawbin and 554 acres in the Taungnyo reserves could be operated on owing to the illness of the ranger and vexatious delays. The expenditure was as follows:—

	Rs. A. P.
1,503 baskets of teak seed, including carriage ...	3,076 11 0
Labour	4,087 14 0
Total ...	7,164 9 9

This total includes the value of 420 baskets teak seed unused.

In the Prome division Rs. 240 was spent in weeding 179 acres in areas where teak seed had been dibbled in previous years.

The experimental planting of areas over which the bamboos flowered in 1886 were continued; 7 acres in Konbilin and 18 acres in the Thônzè were cleared and planted at a cost of Rs. 373. The areas previously planted were weeded at a cost of Rs. 836-7-0.

The experiments to test the theory that bamboo clumps can be killed by felling the shoots of the year for three years in succession were continued and the selected areas in Bawbin and Konbilin were gone over for the third time at a cost of Rs. 32-8-0. No reduction in the size of the clumps or the number of shoots can be noticed, but rather the contrary. The experiments, however, are being continued with a view to natural regeneration of teak and pyinkado.

Early thinnings.

33. In the Tharrawaddy division Rs. 45 was spent in thinning the Kadin-Bilin plantations, 608 trees being felled and 60 girdled. The Myodwin plantation was partially thinned for Rs. 2.

Other operations for the improvement of the growing stock.

34. Creepers and dominating overgrowth interfering with the development of teak trees were systematically cut in the following divisions:—

	Acres.	Rs. A. P.
Prome division	6,014	... 2,592 0 0
Tharrawaddy division	18,654	... 4,978 0 0
Pegu division	1,000	... 254 0 0

Experiments.

Mahogany.

35. Twenty-seven trees are still alive—four in the Prome division and 23 in the Rangoon division. The latter are very poor and have grown but little during the year.

Forest garden.

36. The maintenance of the forest garden at Tharrawaddy during the year cost Rs. 1,254-3-8.

Magayi.

37. The present stock of exotics at Magayi is as follows:—

	Trees.
Ficus elastica	78
Ceara rubber	76
Gum Arabic	2
Ficus Mysurensis	1
Acacia	2
Chevancesia esculenta	1,404

Of the last-named 228 flowered during the year. The vanilla flowered freely and 120 of them set pods, which, however, did not come to anything.

(*d*) *Exploitation of Major Forest Produce.*

2.—Selection fellings.

Girdling.

38. Teak trees were girdled for extraction as follows:—

	1893-94.	1894-95.
	Trees.	Trees.
Reserved forests	12,297	14,474
Unreserved forests	12,976	1,150
Total	25,273	15,624

By a regrettable error an excess of 432 trees was girdled in the Gamôn reserve. The excess has since been sanctioned by the local Government. In the Pegu division 700 trees were ordered to be girdled, but only 390 trees were girdled, the balance 310 were girdled contrary to orders in Karen Area I, for which act the ranger was fined.

Selection fellings by Government agency.

39. The timber extracted by Government agency amounted to:—

	1893-94. C. ft.	1894-95. C. ft.
Teak—		
From reserves	988,283	906,150
From unreserved forests	225,781	177,662
Total ...	1,213,964	1,083,812
Reserved woods—		
From reserves	105	24,870
From unreserved forests	9,716	...
Total ...	9,821	24,870

Selection fellings by consumers or purchasers.

40. The extraction of timber by purchasers amounted to—

	1893-94. C. ft.	1894-95. C. ft.
Teak	37,176	29,954
Reserved kinds	40,161	42,157
By free grants—		
Teak	5,080	4,054
Reserved kinds	1,850	1,800

Unregulated fellings.

41. The unregulated fellings amounted to—

	1893-94. C. ft.	1894-95. C. ft.
By Government agency—		
Unreserved woods	200	8,197
	Hundreds.	Hundreds.
Bamboos	...	40
	C. ft.	C. ft.
By purchasers—		
Pyinkado	781,678	1,757,184
Other unreserved woods	1,942,186	2,047,697
Firewood	8,480,100	5,884,465
Firewood and charcoal	625,100	436,400
	Hundreds.	Hundreds.
Bamboos	111,860	150,109
Canes	8,918	7,885
	C. ft.	C. ft.
By free grants—		
Unreserved wood	1,200	8,588
Firewood	...	12,500
	Hundreds.	Hundreds.
Bamboos	41,890	50
By right-holders—		
Bamboos	171	172

Extraction and Transport of Major Produce by Land and Water.

Extraction by Government agency.

42. The outturn was—

	1893-94.	1894-95.	
	Logs.	Logs.	C. ft.
Teak logs	22,358	23,823	1,420,894
Teak scantlings	...	10	10
Other woods	308	291	28,256
Total ...	22,666	24,124	1,449,160
Sent to Rangoon—			
Teak logs	20,097	21,450	1,352,097
Teak scantlings	...	...	..
Other woods	67	...	...
Sent to local depôts—			
Teak logs	2,261	2,373	68,797
Teak scantlings	...	10	10
Other woods	241	291	28,256
Total ..	22,666	24,124	1,449,160

Expenditure on timber work.

43. The expenditure under 1 (*a*) was as follows:—

	1893-94.				1894-95.			
	Logs.	Rs.	A.	P.	Logs.	Rs.	A.	P.
Delivery of logs to Rangoon	20,269	2,79,959	10	0	21,097	2,99,510	7	5
Local deliveries ...	2,101	6,886	13	5	2,423	6,466	1	7
Girdling trees ...	13,824	2,881	5	11	15,024	3,228	10	8
Establishment		7,789	8	2	...	3,014	8	4
Travelling allowance		966	8	3	...	578	0	0
Floating streams		3,611	13	9	...	3,322	12	1
Miscellaneous		12,445	9	4	...	14,258	10	1
Total ...	36,194	3,14,491	4	10	39,144	3,30,374	1	9

Outstandings.

44. The outstandings against contractors at the close of the year amounted to—

	Rs.	A.	P.
1893-94	47,230	11	2
1894-95	42,337	14	7

The timber extracted by Messrs. Gillanders Arbuthnot & Co. from their Zainganaing grants was—

	C. ft.	Rs.	A.	P.
Pyinkado	348	100	5	9
Other unreserved woods	322	66	11	9
Total ...	...	167	1	6

This amount has been included under timber extracted by purchasers.

Extracted by consumers or purchasers.

45. The following statement gives the quantity of timber extracted by purchasers and the amounts received thereon:—

	1893-94.				1894-95.				
	Cubic feet.	Value.			Cubic feet.		Value.		
From reserves.		Rs.	A.	P.			Rs.	A.	P.
Teak	...	.. ..			...		.....		
Pyinma	100	24	0	0	...		.....		
Thingan	...	. ...			...		.....		
Outch	500	70	0	0	...		.....		
Kaunghmu	58	14	8	8	...		.....		
Pyinkado	35,233	5,037	5	6		5,036	650	0	6
Other unreserved woods—									
Dus	1,710	130	0	0	(47)	2,115	96	0	0
Yats	80	7	0	0	(80)	600	45	0	0
Total ...	37,681	5,282	13	9		8,351	791	0	6

	1893-94.		1894-95.	
	Cubic feet.	Value.	Cubic feet.	Value.
From unreserved forests.				
Teak	37,176	11,768 18 7	29,351	9,266 5 5
Padauk	...	.....	418	169 0 0
Pyinma	9,799	1,628 2 10	22,472	3,693 2 1
Thingan	735	328 8 0	100	40 0 0
Kanyin	5,180	854 0 10	14,882	2,707 14 8
Thitka	21,572	3,684 10 6	877	541 5 8
Thitkado	565	93 1 7	617	99 10 4
Kanughmu	1,452	251 6 1	50	8 0 0
Pyinkado	746,440	76,295 1 6	1,759,145	1,78,815 7 6
Other unreserved woods—				
Dus	(20,870) 939,155	82,090 0 0	(12,794) 575,730	20,171 4 0
Yats	(24,857) 497,060	19,156 4 0	(28,435) 568,700	21,809 12 0
Posts	(59,061) 295,305	4,585 5 8	(42,002) 213,010	3,329 14 10
Poles	(570,320) 570,320	1,588 7 8	(594,058) 594,058	1,808 8 8
Byus	8,160	641 0 0	(3,035) 6,070	460 4 0
Sawn	235	11 11 6	3,124	179 8 6
Total ...	3,133,154	1,55,516 8 11	3,788,549	2,42,660 1 3
Grand total ...	3,170,885	1,60,709 6 8	3,796,900	2,43,451 1 9
Revenue from Arakan ...	...	5,924 0 9	...	4,092 2 3
Outstandings ...	...	.....	...	0 4 9
V (c) Revenue in error ...	...	30 0 0	...	.....
Total ...	...	1,66,753 7 5	...	2,47,543 8 9

Firewood and charcoal.

46. The quantity of firewood extracted by purchasers as firewood and for conversion into charcoal was—

	1893-94.		1894-95.	
	C. feet.	Value.	C. feet.	Value.
From reserved forests.		Rs. A. P.		Rs. A. P.
Firewood	18,050	180 8 0	10,825	108 4 0
From unreserved forests.				
Firewood	3,417,050	34,170 4 8	2,885,068	28,850 7 0
Charcoal	625,100	1,786 0 0	581,700	1,662 0 0
Total ...	4,055,200	36,086 12 8	3,477,593	30,620 11 0
Arakan	...	4,328 0 5	...	3,642 9 7
Total ...	...	40,414 13 1	...	34,263 4 7

Bamboos.

47. The quantity of bamboos extracted by purchasers was—

	1893-94.		1894-95.	
	Hundreds.	Value.	Hundreds.	Value.
		Rs. A. P.		Rs. A. P.
From reserved forests	40,918	10,253 2 0	34,508	8,627 13 0
From unreserved forests	70,442	17,891 11 10	107,598	29,058 15 9
Total ...	111,360	28,144 13 10	142,106	37,686 12 9
Arakan	...	1,149 8 0	...	2,760 8 0
Total ...	...	29,294 5 10	...	40,447 4 9

Canes.

48. The quantity of canes extracted by purchasers was—

	1893-94.		1894-95.	
	Hundreds.	Value. Rs. A. P.	Hundreds.	Value. Rs. A. P.
From reserved forests	125	229 4 0	46	153 4 0
From unreserved forests	8,793	9,444 14 9	7,789	9,524 9 9
Total ...	8,918	9,674 2 9	7,835	9,677 13 9

Collection of drift logs.

49. Drift timber operations were as follows :—

	Log.
Opening balance at depôts	494
Collected during the year	2,508
Total ...	3,002
Transferred to other depôts	768
Handed over to claimants	731
Sold	1,245
Balance at depôts	258
Total ...	3,002

The collections were 190 logs less than last year and call for no remarks, being simply the ordinary fluctuations of such operations.

The revenue was—

	1893-94.		1894-95.	
	Logs.	Rs. A. P.	Logs.	Rs. A. P.
Salvage	2,352	7,988 7 9	1,388	5,118 0 4
Sales	857	28,587 15 7	1,281	11,808 1 8
Sundries	...	1 0 0	...	25 8 0
Total ...	3,209	36,577 7 4	2,664	16,446 10 0
Add outstandings	...	318 8 0	..	1,763 6 9
Total ...	...	36,895 15 4	...	18,210 0 9
Deduct outstandings	...	1,763 6 9	...	704 0 6
Balance ...	...	35,132 8 7	...	17,506 0 3

Expenditure was—

	1893-94.		1894-95.	
	Logs.	Rs. A. P.	Logs.	Rs. A. P.
Transferred to other depôts	3,127	11,864 6 7	1,827	5,747 13 3
Floating	24	899 10 7	...	.....
Establishment	...	726 0 0	...	648 0 0
Miscellaneous	...	1,062 1 9	...	1,072 5 9
Total ...	3,151	13,552 2 11	1,827	7,468 3 0

Imports.

50. From Upper Burma were imported—

By the Irrawaddy—

	Teak logs.	Converted pieces.
1893-94	65,471	110
1894-95	80,159	15

By the Sittang—

1893-94	66,014	...
1894-95	85,520	...

51. The export of teak from Rangoon was 106,810 tons valued at Rs. 83,34,657. Of the total quantity 29 per cent. went to Europe, 20 per cent. to Madras, 25 per cent. to Bombay, 14 per cent. to Bengal, and 12 per cent. to other ports.

Export of timber other than teak.

52. The export of timber other than teak amounted to 10,005 tons valued Rs. 5,98,105.

Export of cutch and lac.

53. 187,673 cwts. cutch were exported valued at Rs. 37,44,241 and stick lac to the extent of 12,564 cwts. valued at Rs. 4,15,725.

Exploitation of Minor Forest Produce.

Grazing.

Grazing.

54. The fees received for grazing inside reserves were—

	Rs.	A.	P.
1893-94	570	12	0
1894-95	840	12	0

Summary of outturn of minor forest produce.

55. The revenue received on minor forest produce extracted by purchasers was—

Produce.	1893-94.			1894-95.		
	Rs.	A.	P.	Rs.	A.	P.
Cutch	12,694	0	0	594	0	0
Bark extract	4,140	0	0	120	0	0
Fibre	708	0	0	868	0	0
Wood-oil and resin	587	0	0	508	0	0
Lac	1,422	0	0	321	0	0
India-rubber	162	8	0	.....		
Honey and wax	40	0	0	60	0	0
Leaves	178	0	0	890	0	0
Thatch	1,206	14	0	594	0	0
Fruits	31	14	0	82	0	0
Stone	70	0	0	41	0	0
Thin	526	0	0	702	0	0
Salu	. ....			2,297	0	0
Taungsin	.....			48	0	0
Taungtan	.....			109	0	0
Creepers	.....			82	0	0
Kyuwa	.....			8	0	0
Tazinban	.. ..			42	0	0
Total .	21,706	4	0	6,756	0	0
Add Arakan	101	0	0	201	0	0
GRAND TOTAL ...	21,807	4	0	6,957	0	0

CHAPTER III.

GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

Timber extracted departmentally.

56. The extraction of timber by Government agency amounted to—

	1893-94.		1894-95.	
	No.	Tons.	No.	Tons.
Teak logs	22,358	24,594	28,823	28,418
Other woods	308	211	291	565

57. Depôt transactions—

Balance on 1st July 1894.

	Number.	Cubic feet.	
Teak logs	18,498	853,606	
Other woods	...	...	
			853,606

4

Receipts.

	Number.	Cubic feet.	
Brought over ...	...	...	858,606
Teak logs	23,828	1,420,894	
Teak scantlings	10	10	
Other kinds	291	28,256	
Gain on measurement	...	704	
			1,449,864
Total		...	2,308,470

Sales, &c.

Teak logs	26,878	1,527,426	
Teak used departmentally ...	128	8,189	
Transferred to other depôts ...	1,182	61,466	
Other woods	242	4,025	
			1,596,106

Balance on 30th June 1895.

Teak logs	12,694	684,687	
Teak scantlings	10	10	
Paddy-field teak	1,989	48,486	
Other woods	49	24,231	
			707,864
Total		...	2,308,470

Sales.

58. The sales yielded—

	No.	Rs. A. P.
Teak logs	26,878	15,65,152 2 6
Teak scantlings	...	.....
Other woods	242	1,113 10 3
		15,66,265 12 9
Add outstandings		19,054 0 0
		15,85,319 12 9
	Rs. A. P.	
Deduct deposits	.....	
Deduct outstandings	2,452 2 9	
		2,452 2 9
		15,80,867 10 0

This is Rs. 83,932 less than the receipts for 1893-94.

Rangoon Depôt.

59. The arrivals at the Rangoon Central Depôt were—

	Cubic feet.
1893-94	1,169,985
1894-95	1,492,017

The balance—

	Cubic feet.	Cubic feet. Value.
1893-94	... ..	7,49,886
1894-95	628,500	8,87,185

The prices realized for teak logs per ton were—

	Rs. A. P.
1893-94	49 8 8
1894-95	47 5 4

Outturn of timber extracted by purchasers.

60. The removal of timber by purchasers amounted to—

	1893-94. Tons.	1894-95. Tons.
Teak	743	587
Reserved woods	7,992	5,685
Pyinkado	156,385	852,956
Unreserved woods	46,240	89,268
Fuel	81,104	60,552
	Hundreds.	Hundreds.
Bamboos	118,860	142,106
Canes	8,918	7,884

Free grants.

61. Free grants of timber amounted to—

	1893-94. Tons.	1894-95. Tons.
Teak	102	81
Reserved woods	87	86
Unreserved woods	24	171
Fuel	...	250
	Hundreds.	Hundreds.
Bamboos	41,890	50

Right-holders.

62. Timber removed by right-holders and under privilege amounted to—

	Tons.	Tons.
Unreserved woods	58	...
Fuel	...	...
	Hundreds.	Hundreds.
Bamboos	171	172

These figures do not include the large quantities of timber and bamboos used for local consumption and extracted free of charge from unreserved forests.

Summary of outturn of timber.

63. The total quantity of timber extracted from forests in the circle was—

	1893-94.		1894-95.	
	Tons.	Value.	Tons.	Value.
Teak.		Rs.		Rs.
By Government agency	24,279	12,03,610	28,417	15,81,754
Lapsed drift	709	28,002	1,169	11,808
By purchasers	743	11,764	587	9,266
Under free grants	102	2,040	81	1,620
Total ...	25,923	12,45,416	30,254	16,03,948
Reserved woods.				
By Government agency	196	2,200	497	1,114
By purchasers	7,092	6,949	5,685	4,785
Under free grants	37	296	86	288
Total ...	8,225	9,445	6,158	6,187
Pyinkado.				
Lapsed drift	1	26	...	...
By purchasers	156,335	83,352	352,956	1,78,965
Total ...	156,336	83,378	352,956	1,78,965
Other unreserved woods.				
By Government agency	4	50	90	810
Lapsed drift	28	576	72	839
By purchasers	46,240	58,754	39,268	47,961
Under free grants	24	120	171	855
By right-holders	58	116	...	...
Total ...	46,354	59,616	39,601	50,465
Fuel.				
By purchasers	81,104	36,087	69,552	30,621
By right-holders	...	...	...	...
By free grants	...	..	250	150
Total ...	81,104	36,087	69,702	30,771
Bamboos.	Hundreds.		Hundreds.	
Lapsed drift	...	1	40	120
By purchasers	111,360	28,144	142,106	37,686
Under free grants	41,890	10,475	50	12
By right-holders	171	42	172	42
Total ...	153,421	38,662	142,368	37,860
Canes.				
By purchasers	8,918	9,674	7,884	9,678

Summary of outturn of minor forest produce.

64. The revenue received on minor forest produce extracted by purchasers was—

Produce.	1893-94.	1894-95.
	Rs. A. P.	Rs. A. P.
Cutch	12,604 0 0	594 0 0
Bark extract	4,140 0 0	120 0 0
Fibre	1,021 0 0	868 0 0
Wood-oil and resin	1,727 0 0	508 0 0
Lac	1,422 0 0	321 0 0
India-rubber	162 8 0	
Honey and wax	190 0 0	60 0 0
Leaves	207 0 0	390 0 0
Thatch	2,558 14 0	594 0 0
Fruits	105 14 0	82 0 0
Stone	140 0 0	41 0 0
Thin	585 0 0	702 0 0
Salu	.....	2,297 0 0
Creepers	. ...	82 0 0
Taungsin	. . .	48 0 0
Taungtan	... ..	109 0 0
Kyuwa	.....	8 0 0
Tazinban	..	42 0 0
Add Arakan	101 0 0	201 0 0
Total	25,004 4 0	6,957 0 0

CHAPTER IV.

FINANCIAL RESULTS.

Financial results.

65. The revenue and expenditure amounted to—

	Rs.	Rs.
Revenue	...	18,33,819
Expenditure	A, 4,84,808 / B, 2,34,787	7,19,045
		11,14,774

The figures given here differ from those in Comptroller's Form 61 for the year on account of the figures of the Toungoo and Shwegyin divisions having been omitted in this circle to admit of the Tenasserim circle having more complete data for comparison next year.

The surplus of Rs. 11,14,774 will be still further reduced by about Rs. 60,000, being the proportionate share of this circle on account of expenses of the survey party not as yet included in the accounts of the year.

Comparison with former years.

66. The figures compare with those of last year excluding Toungoo and Shwegyin as follows :—

Year	Revenue.	Expenditure.	Surplus.
	Rs.	Rs.	Rs.
1893-94	16,59,848	6,24,868	10,34,980
1894-95	18,33,819	7,19,045	11,14,774

67. The following statement shows the revenue and expenditure of each division :—

	1893-94.			1894-95.		
	Local.	Agency.	Total.	Local.	Agency.	Total.
Revenue.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo	80,751	80,212	60,963	24,275	16,840	41,115
Prome	21,789	1,03,208	1,25,007	31,883	75,984	1,07,867
Tharrawaddy ...	1,12,012	9,07,587	10,19,590	1,46,198	11,22,059	12,68,257
Rangoon	38,958	2,54,754	2,93,712	29,046	37,467	66,513
Pegu	7,520	336	7,856	23,042	1,61,558	1,84,600
Bassein	1,19,743	1,090	1,20,833	95,863	9,270	1,05,133
Henzada				27,166	...	27,166
Agency	...	31,373	31,373	...	33,168	33,168
Total ...	3,30,723	18,28,620	16,59,343	3,77,473	14,56,346	18,33,819
Expenditure.						
Thayetmyo	44,956	7,580	52,536	40,718	9,585	50,303
Prome	65,549	10,425	75,974	73,512	12,451	85,963
Tharrawaddy... ...	2,87,284	24,968	3,12,202	3,44,153	42,967	3,87,120
Rangoon	78,905	11,591	90,496	28,881	8,772	37,653
Pegu	27,150	1,774	28,924	50,288	16,711	66,999
Bassein	45,722	6,781	52,453	39,809	8,591	48,400
Henzada ..				18,015	8,591	26,606
Agency	...	11,778	11,778	.	16,001	16,001
Total ...	5,49,516	74,847	6,24,368	5,95,376	1,23,669	7,19,045

Surplus.	1893-94.	1894-95.
	Rs.	Rs.
Thayetmyo	8,427	— 9,188
Prome	49,033	21,904
Tharrawaddy	7,07,397	8,81,137
Rangoon	2,03,216	28,860
Pegu	— 21,068	1,17,601
Bassein } Henzada }	68,890	56,788 560
Agency	19,595	17,167
Total ...	10,34,080	11,14,774

68.—The usual comparison with those of the past two years is as follows :—

	Receipts.			Charges.			Surplus or deficit.					
							1892-93.		1893 94		1894-95.	
	1892-93	1893-94.	1894-95	1892-93	1893-94.	1894-95	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
I.—Departmental timber operations ...	19,43,263*	13,66,552	16,00,374	6,85,767*	4,34,963	5,04,380	12,57,496*	.	9,31,589		10,95,994	.
II.—Other revenue	8,44,333	2,92,791	3,61,866	91,521	65,619	73,491	7,52,812	...	2,27,172	...	2,88,375	...
III.—Formation and improvement ..	...	...	...	1,38,560	1,23,781	1,41,174	...	1,38,560	...	1,23,781	...	1,41,174
Total ..	27,87,596	16,59,343	19,62,240	9,15,848	6,24,363	7,19,045	18,71,748	...	10,84,980	...	12,48,195	...

* Includes Toungoo and Shwegyin figures.

CHAPTER V.

FOREST ADMINISTRATION AND GENERAL REMARKS.

Changes in divisional administration.

69. The Toungoo and Shwegyin divisions were transferred to the Tenasserim circle on the 15th November 1894 and the Western division was divided into two charges—the Bassein-Myaungmya and the Henzada-Thôngwa divisions—on the 12th October 1894.

Changes in the superior staff.

70. The following officers were transferred to other circles :—

Mr. G. Q. Corbett, Deputy Conservator of Forests, and Mr. C. Ingram, Extra Assistant Conservator of Forests, to the Tenasserim circle on the 15th November 1894.

Mr. H. B. Anthony, Deputy Conservator of Forests, to the Eastern circle, Upper Burma, on the 3rd December 1894.

Mr. C. R. Dun, Assistant Conservator of Forests, to the Western circle, Upper Burma, on the 13th February 1895, for special duty in the Chin Hills.

The following officers were transferred from other circles or returned from leave :—

Mr. C. R. Dun, Assistant Conservator of Forests, on the 20th November 1894, from the Eastern circle.

Mr. H. B. Anthony, Deputy Conservator of Forests, on the 29th May 1895, from the Eastern circle.

Mr. C. W. Palmer, Deputy Conservator of Forests, 20th November 1894, from leave.

The following officers were absent on leave or retired :—

Mr. J. T. Jellicoe, Deputy Conservator of Forests, on furlough from 1st December 1894.

Mr. E. B. Powell, Extra Assistant Conservator of Forests, on privilege leave from 1st January to 1st April 1895.

Mr. H. Slade, Deputy Conservator of Forests, on privilege leave from 10th April 1895.

Maung Kale, Extra Assistant Conservator of Forests, retired from the service on the 14th January 1895.

71. The following statement shows the cost of permanent and temporary establishment during the financial year compared with the cost of the previous year :—

Comparative cost of establishment.

Division.	1893-94.		1894-95.			
	Cost of permanent establishment.	Cost of temporary establishment.	Sanctioned permanent establishment.	Sanctioned temporary establishment.	Actual cost of permanent establishment.	Actual cost of temporary establishment.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo ...	5,106	4,109	5,850	4,452	5,821	3,816
Prome ...	7,156	1,236	7,050	2,484	7,382	2,055
Tharrawaddy ...	10,907	3,404	12,851	5,116	11,206	3,960
Rangoon ...	8,480	2,448	5,991	2,072	5,980	2,659
Pegu ...	2,888	781	7,302	3,564	5,777	3,095
Bassein ...	6,246	5,749	3,666	5,772	4,189	4,556
Henzada ...			4,320	1,424	2,022	1,195
Agency ...	22,006	7,494	21,234	8,004	21,721	6,971
Total ...	62,289	25,211	68,864	33,488	63,498	26,307

The difference in Agency division of actual expenditure under permanent establishment is the payments made to a third grade clerk during the year

whose appointment had been transferred to the Tenasserim circle and not shown under the head of sanctioned permanent establishment.

Alterations in rules.

72. Notification No. 365, dated the 22nd September 1894, modifies the rule regarding the grant of rewards to informers in cases of forest offences.

Notification No. 418, dated the 5th November 1894, empowers Assistant and Extra Assistant Conservators of Forests who have passed the prescribed examination in Forest Law and in Burmese by the higher standard to exercise the powers specified in clauses (*c*) and (*d*) of that section.

Notification No 95, dated the 19th March 1895, consequent on the transfer of the Toungoo and Shwegyin divisions to the Tenasserim circle from the Pegu circle, modifies Revenue Department Notification No. 304, dated the 22nd September 1892, regarding "Kadut," Rule 20, and Revenue Department Notification No. 379, dated the 1st October 1894, prescribing rates to cut pyinma.

Notification No. 96, dated the 19th March 1895, directs that all unmarked timber under certain areas and conditions be the property of Government.

Notification No. 98, dated the 19th March 1895, modifies rules relating to the control of timber in transit.

Notification No. 99, dated the 19th March 1895, notifies the stations to which timber in transit should be taken for examination.

Notification No. 100, dated the 19th March 1895, revises Forms VI and VII, licenses for the use of unreserved timber.

Notification No. 128, dated the 8th April 1895, modifies the rules relating to salving, collecting, moving, storing, and disposing of drift timber.

Elephants.

73. There were 40 animals at the close of last year, of which 13 were transferred to the Tenasserim circle together with the Toungoo and Shwegyin divisions, leaving actually 27 elephants at the commencement of the year belonging to the Pegu circle, two transferred from working plans. Of these two died and two were lost or stolen, leaving a balance of 25 animals at the close of the year. The average cost monthly per animal was Rs. 40-14-4, compared with Rs. 86-14-9 in the Commissariat Department.

Launches.

74. The *Forester* was employed for 73 days or 703 hours under steam and earned Rs. 715, against an expenditure of Rs. 2,982-10-6, of which Rs. 757-14-0 was on account of repairs.

The *Dryad* was built at the Kidderpore Dockyard for this department and cost Rs. 24,178-15-3. Arrived in Rangoon on the 12th May 1895 and has been almost entirely used in towing rafts, being 11 days or 73 hours under steam. Earned Rs. 83-12-9 against an expenditure of Rs. 856 9-7, made up mostly on account of pay of crew from Calcutta, piloting charges, coal, &c., and was steamed the whole way from Calcutta to Rangoon.

Collections of specimens.

75. Sixty-eight lbs. of the pods of *Cæsalpinia digyna* and specimens of a cubic foot of pyinkado (*Xylia dolabriformis*) and yinma (*Chickrassia tabularis*), together with flowers and fruits of each, were sent to the Reporter on Economic Products, Calcutta. Two cases containing specimens of paving blocks of pyinkado were sent to the Austro-Hungarian Consul-General at Bombay.

European teak-wood market.

76. The consumption during the year, in spite of the dullness of the ship-building and especially the rolling stock industries, has been fairly good, although the large supplies sent forward to meet reduced demands has the natural effect on prices, which dropped somewhat during the latter half of the year when £8 to £9 for cargo timber and a little more for planks of ordinary market specification had to be accepted.

The usual quantity of Burma teak was absorbed by the Admiralty requirements, but any good effect which the Admiralty contracts may have had on market rates was more than counteracted by the effect of Bangkok competition, which as regards Burma has been most keenly felt.

The continent and outports took—

	Tons.
France about	2,000
Germany about	1,500
Italy	1,000
Netherlands	1,000

a little more than of recent years, but there was no extraordinary demand from any individual market. Shipments from Siam have increased enormously, the total for the year being more than double that of last year. There is no disguising the fact that Bangkok wood is steadily strengthening its hold of the Home market.

The arrivals in Bangkok during the last floating season amounted to 72,000 logs against 65,000 in the preceding season.

Indian teak markets.

77. The Indian teak markets have as of recent years absorbed about 130,000 tons at unchanged rate, namely, Rs. 65—70 for selected Indian and Rs. 55—60 for the lower class, excessive supplies and the competition of Bangkok timber standing in the way of better prices for quantities. I am indebted to the courtesy of Messrs. The Bombay Burma Trading Corporation, Limited, and Macgregor & Co. for the above information.

Concluding remarks.

78. The writer of this report held charge of the Thayetmyo division during the year under review and is therefore unable to speak from personal knowledge of the services of the Divisional Officers, but in the name of Mr. P. J. Carter, who was Conservator during the year, he thanks the Divisional Officers for the zealous performance of their duties.

The health of the superior staff has been fairly good, though many suffered from severe attacks of jungle fever.

I wish to again place on record the excellent services rendered by Mr. J. Allmark, Extra Assistant Conservator of Forests in charge of the Government Timber Depôt and Agency Division, and also those of Mr. R. E. Cully, Superintendent of the Conservator's Office, Pegu circle.

Mr. B. B. Johnson has also worked exceedingly well and has fairly earned a claim to be reinstated in his former emoluments.

RANGOON:
The 30th September 1895.

F. W. THELLUSSON,
Offg. Conservator of Forests, Pegu Circle.

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REPORT

ON

FOREST ADMINISTRATION

IN

THE EASTERN CIRCLE

For the year 1894-95,

BY

J. W. OLIVER, ESQUIRE, CONSERVATOR OF FORESTS, EASTERN CIRCLE.

CHAPTER I.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

1.—Alteration of Area.

Area of reserved forests.

1. The area of reserved forests at the close of the year was 2,397 square miles, showing a net increase of 221 square miles as follows :—

		Sq. miles.
Area of new reserves added during the year ...	252	
Area gained by survey correction	4	
		256
Area lost by survey correction		35
Increase ...		221

The apparent loss by survey correction is due to the area of the Mohnyin reserve in the Katha division having been very greatly over-estimated at the time of settlement. The reserve in question is a long strip of forest running north and south and bounded on the east by grass plains, which on demarcation were found to extend much further west than had been shown on the original sketch maps.

Taungya cultivation is permitted over 2 square miles of the newly constituted reserves, making a total of 219 square miles subject to such privileges.

Area of unreserved forests.

2. The area of unreserved forests shown in Form 46 has been reduced from 9,413 to 9,347 square miles : 252 square miles have been transferred to reserves, 11 square miles have been lost by survey correction, and 197 square miles of additional forest have been brought on to the form.

Examination of forests.

3. The time of Divisional Officers has been mostly devoted to settlement and demarcation work and, except in the Mandalay division, not much has been done in the way of ex-

ploring new tracts. The following is a short description of the forests examined during the year :—

Teak forests examined in the Bhamo division.

4. The teak forests on the south and east sides of the Indawgyi lake consist of a narrow belt occupying the rising ground at the foot of the hills, bounded on one side by kaing grass plains and on the other by Kachin pônzos. The teak trees, which are in many cases over-mature, occur either in groves of pure teak with grass undergrowth, or mixed with evergreen forest, sometimes in groups and sometimes singly. Teak forest at one time extended some distance up the hills, but it has to a very great extent been destroyed by taungya cultivation. A similar belt of forest is found in the Namyin valley at the foot of and along the lower slopes of the range of hills separating the Namyin and Indawgyi valleys, at a distance of from 3 to 5 miles from the railway, but except in the neighbourhood of the Tagun and Namma streams it has not as yet been examined. The following abstract of linear valuation surveys will give an idea of the composition of these forests :—

		Sound and dominant.	Suppressed or unsound.
On 239 acres ...	I class teak	365	584
	II class ,, ...	203	212
	III class ,, ...	354	377
	IV class ,, ...	276	1,184

Forests examined in the Katha division.

5. The forest last named stretches southwards in a more or less continuous belt parallel to the railway from the boundary of the Katha division to the Mohnyin reserve. The Konga forest, 10 square miles, is a tract drained by a small stream on the right bank of the Irrawaddy. It contains some good growing teak as well as about 1,000 trees girdled by Maung Bauk, which have not been worked out owing to obstructions in the stream. Pyinkado was found to be abundant in the forests west of Mayathein and Zithaung on the lower portion of the Meza river.

Forests examined in the Ruby Mines division.

6. The Divisional Officer explored the forests drained by the Ingyinbin, Hetin, and Ondôk streams on the left bank of the Shweli. This tract contains good teak forest. Girdled trees are scarce, but there are a large number of naturally dead trees. On the lower slopes of the hills extensive areas of very promising young teak were found.

The Namkaisan and Zibin forests on the left bank of the Shweli between Myitsôn and Nayôk were also partially examined. These forests have been but little worked of late and contain a large stock of marketable timber.

The Upper Nampaw forests were explored by Mr. Rogers, but very little teak forest was found except in the tract immediately adjacent to the Nampaw reserve.

Forests examined in the Mandalay division.

7. The Divisional Officer examined the Kainggyi forests, 126 square miles, in the Hsipaw State, as well as the Chaungthapaw forest, 32 square miles, in the Mandalay district, and the Omôn, Nanaw, and Letpet chaung forests, 58 square miles, in the Ruby Mines district, all situated in the Madaya drainage area. In the Kainggyi forest teak is principally confined to the bottoms of ravines and crests of ridges and there are consequently large areas devoid of teak. The forest is, however, estimated to be capable of yielding 500 trees a year, but as there are between 6,000 and 7,000 dead trees still standing no girdling will be advisable for the next ten years. In the Chaungthapaw forest teak is found mostly at the sources of the streams. Three thousand trees were girdled in this forest some 15 years ago, of which about 1,000 still remain unextracted. The Omôn, Nanaw, and Letpet chaung forests contain a large proportion of In (*Dipterocarpus tuberculatus*) forest which occupies the ridges and higher ground, mixed forest containing teak being found in the depressions and on the lower slopes. The Letpet stream is obstructed by a succession of waterfalls, but it is possible to drag timber round them.

Forests examined in the Pyinmana division.

8. The forests in the upper part of the Sinthè stream contain both teak and cutch ; they have been much overworked, but contain a large proportion of young trees of both species and will be of great value in the near future.

A list has been drawn up of a number of small areas of almost pure cutch forest in this division and proposals for dealing with them are under consideration.

Forests examined in the Southern Shan States division.

9. In the Southern Shan States division the only new forests explored by the Divisional Officer appear to be some tracts on the State of Mongkung in which a fair amount of teak is reported to exist on the Nampan and its feeder the Namut.

2.—*Forest Settlements.*

Progress in forest settlements.

10. The following table exhibits the state of forest settlement work at the close of the year :—

Division.	Reserves notified prior to 1894-95.	Reserves notified during 1894-95.	Proposed reserves enquired into, but not yet notified.	Areas notified as proposed reserves, but not yet enquired into.	Areas for the reservation of which proposals are in course of submission.	Total.
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
Bhamo ...	186	...	210	34	30	460
Katha ...	151	212	42	...	2	407
Ruby Mines ...	626	...	...	...	...	626
Mandalay ...	...	...	7	204	216	427
Mu ...	397	40	259	121	...	817
Pyinmana ...	765	...	...	...	115	900
Southern Shan States	...	...	...	...	...	...
Total ...	2,145	252	518	359	363	3,687

The area of the reserves notified prior to 1894-95 differs from that given last year, owing to survey corrections.

Areas reserved.

11. The following forests enquired into during 1893-94 were notified as reserves during the year under review :—

Division.	Forest.	Square miles.	Number and date of notification.
Katha ..	Auktaw extension ...	8	467 F., dated 10th December 1894.
	Petsut extension ...	12	
	Nami ...	25	
	Tatlwin ...	72	39F., dated 1st February 1895.
	Pilè ...	14	131F., dated 16th April 1895.
	Pyindè ...	62	199F., dated 14th June 1895.
	Kalat ...	24	439F., dated 22nd November 1894.
Mu ...	Mokwa ...	9	377F. dated 1st October 1894.
	Budaung ...	31	378F.
	Total ...	252	

The Nankan proposed reserve which was enquired into during 1893-94 has not yet been notified as it contains a tract loased for gold mining, which will have to be excluded.

The Thaw proposed reserve was referred back for further enquiry, which was carried out during the year under report.

Areas enquired into during the year, and cost of settlement.

12. Mr. E. Fowle, Extra Assistant Commissioner, was placed on special duty as Forest Settlement Officer for the proposed reserves in the Myitkyina, Bhamo, Katha, and Shwebo districts; Mr. Lightfoot, Subdivisional Officer, Katha, undertook the settlement of the Nanhin reserve; and Mr. D. L. Richardson, Subdivisional Officer, Wundwin, that of the proposed reserves in the Meiktila district.

Enquiries were held in regard to the following tracts :—

Division.	Civil district.	Forest.	Square miles.
Bhamo ...	Myitkyina	Nansônti	80
	Bhamo	Mosit	130
Katha ...	Katha	Nanhin	5
		Sadwingyi	58
		Kanbalu	8
		Methè	...
	Shwebo	Kangyi	13
		Auktè	6
Mu		Zigôn	6
	Shwebo and Katha ...	Thaw	103
	Katha	Peinne	10
Mandalay ...	Meiktila ...	Aingtha	4
		Thinbôn	3
		Total ...	481

The areas shown against the Mu division are those recommended for reservation by the Forest Settlement Officer.

The expenditure incurred on forest settlements was as follows:—

			Rs
Pay and allowance of Forest Settlement Officer during 1893-94	.. ...		177
Pay and allowance of Forest Settlement Officer during 1894-95	... ...		2,760
Compensation for extinction of rights—		Rs	
Uya-Katha Reserve	... ...	1,580	2,915
Taungbalaung Reserve	... .	335	
Contingent expenditure	... ...		79
	Total	...	5,931

Areas awaiting enquiry.

13. The following notified areas still await enquiry:—

Division.	District.	Forest.	Square miles.	No. and date of notification.
Bhamo ...	Bhamo ...	Nanhan	8	Notification No. 40F., dated 2nd February 1895.
		Munsin	9	
		Simaw	18	
		Panlaung	4	
Mandalay ...	Mandalay ...	Kingyaung	40	Notification No. 488F., dated 21st November 1894.
		Dandin	29	
		Satthwa gyaung ...	33	
		Kadetchin	17	
		Malegyi	26	
		Nattaung	20	
		Nweyôn	18	
		Chaunggyi	21	
Mu ...	Katha ...	Inga	28	Notification No. 215F., dated 4th July 1892.
		Khansa	30	Notification No. 468 F., dated 5th December 1894.
		Laga	58	
		Se-aing	10	
		Total	859	

Reserve proposals in course of preparation.

14. The following are the tracts for the reservation of which proposals are in course of preparation:—

Division.	District.	Forest.	Square miles.
Bhamo	Bhamo	Monglaing ...	26
Katha	Katha	Nanya	5
	Mandalay	Mohnyin extension	2
Mandalay ...	Ruby Mines	Chaungthapaw	32
		Omôn	12
		Nanaw	25
		Letpet chaung	21
	Hsipaw	Kainggyi ...	126
Pyinmana ...	Yamèthin	Sinthè	115
		Total ...	368

3.—*Demarcation.*

Demarcation, general.

15. The following statement shows approximately for each reserve or block of reserves the demarcation already completed and that remaining to be done. As only sketch-maps are available for many of the reserves it is impossible to give exact figures.

Division.	Reserve.	Length of boundary lines requiring artificial demarcation.		
		Already demarcated.	Remaining to be done.	Total.
Bhamo	Nampa	44	20	64
	Uya Hatha	23	.....	23
	Taungbalaung	9	37	46
	Setkala	21	.....	21
Katha	Petaut	43	12	55
	Auktaw	43	.....	43
	Mohnyin	45	.....	45
	Naul	30	.....	30
	Pila	.....	200	200
	Tailwin			
	Pyinde			
	Mawhun			
	Kalat			
Ruby Mines ...	Shweli reserve block	293	10	303
	Mogôk reserves	41	43	84
Mu	Western block of reserves ...	88	22	110
	Mokwa	.....	11	11
	Budaung	.....	19	19
Pyinmana ...	Pyinmana reserve block ...	407	21	428
	Total ...	1,093	455	1,548

The undemarcated portion of the Shweli and Pyinmana reserve blocks have been purposely left in that condition as they will probably eventually become inter-reserve lines.

Details of new demarcation, division by division.

16. Details of the work done during the past season are given below :—

Division.	Reserve.	Number of posts and mounds erected.	Length of line blazed connecting mounds.	Actual cost.	Disbursed during year.
			Miles.		
Bhamo	Nampa	180	44	397	220
	Uya Hatha	104	23	226	19
	Taungbalaung	44	9	66	30
	Setkala	.....	.....	.....	7
	Total ...	228	76	689	302
Katha	Auktaw	200	43	347	347
	Mohnyin	324	45	443	443
	Naul	201	36	346	346
	Total ...	669	124	1,136	1,136
Ruby Mines ...	Shweli block	130	48	449	449
	Mogôk reserves	45	10	72	72
	Total ...	184	58	521	521
Mu	Western reserve block ...	289	58	732	732
	Total ...	289	58	732	732
Pyinmana	Pyinmana reserve block ...	21	7	115	115
	Grand Total ...	1,451	323	3,193	2,986

The work done in the Shweli reserves includes two alterations of boundary, which involved 10 miles of line being blazed and the construction of 40 new posts and mounds. As this correction has not yet been gazetted it has not been shown in Form 46.

Preliminary demarcation.

17. Sixty-eight miles of boundary line in the reserves under settlement in the Mu division were temporarily demarcated by blazing trees at a cost of Rs. 161. Similar work was also done in the Bhamo division, but no details have been reported.

Inspection and repair of old boundary lines.

18. In the Pyinmana division the Deputy Conservator inspected 108 miles, or about a quarter of the whole length of the previously demarcated boundary line. Two posts which had disappeared were replaced at a cost of Rs. 5 and the blazes were re-opened wherever necessary by the guard in charge of the beat.

4.—*Surveys.*

Surveys by the Imperial Forest Survey branch.

10. The following is a summary of the work done by the Imperial Forest survey branch :—

During the field season of 1894-95, or between the 1st October 1894 to 30th June 1895, survey operations under the direction of Mr. W. H. Reynolds, Superintendent of Forest Surveys, were carried on in the Pyinmana division in continuation of previous year's survey. The detachment commenced work towards the beginning of December and field-work was brought to a close by the first week of June.

Area topographically surveyed.

20. The following areas were topographically surveyed :—

	Square Miles.
Area plane tabled on 4-inch scale	195
Boundaries surveyed on 4-inch scale	72 (linear)
Theodolite traversing	51 do.

For all areas surveyed on the 4 inch scale, a record was prepared of the forest distribution and the classification of soils and 186 linear miles of check surveys were run throughout the areas surveyed.

Cost of Imperial Forest surveys.

21. As the survey year does not close until the 30th September it is not possible to give the cost rate of the work for the *Forest* year, as the mapping and computation charges for the survey year will have to be added before the rates can be deduced.

The cost rate for the 4-inch detailed survey for the year ending 30th September 1894 was Rs. 79 per square mile (*vide* paragraph 110 of the Annual Progress Report of the Forest Survey Branch for the year 1893-94).

Map-drawing.—Three sheets on the 4-inch scale of the forests in the Pyinmana division will shortly be sent to the press.

The cost of the work during the Forest year amounted to Rs. 25,200.

Surveys and maps by local officers.

22. Traverses carried out in all divisions by local officers extended over 853 miles in length. The cost of these surveys was Rs. 1,024. Sketch maps have been prepared of all the forests under settlement, and boundary maps showing the positions of each mark have been completed for the following reserves :—

		Square miles.
Bhamo division ..	Setkala reserve	... 40
Katha do ...	Mohnyin do	... 85
	Aukta do	... 40
	Namu do	... 25
Ruby mines division	Shwell block of reserves ...	... 591

Surveys in the Bhamo division.

23. In the Bhamo division the Divisional Officer executed 40 miles of traverse in the Indawgyi and Namyin forests and 9 miles in the Taungbalaung reserve ; traverses were carried out along 44 miles of boundary in the Nampa reserve and 28 miles in the Uya-Hatha reserve by Forest rangers Maung Kangyi and Maung Ponhlaing ; the cost was Rs. 78.

Surveys in the Katha division.

24. In the Katha division while carrying out demarcation the Divisional Officer traversed 95 miles in the Auktaw and 43 miles in the Mohnyin reserves and Forest Ranger Mr. Rencontre traversed 45 miles in the Nami reserve. A map of the Mohnyin reserve and adjacent forest, 87 square miles, and boundary maps of the Nami and Auktaw reserves 25 square miles and 40 square miles respectively have been prepared from these surveys. Five miles were also surveyed by Mr. Kavanagh in the Kalôn forest The total cost charged to surveys was Rs. 215.

Surveys in the Ruby Mines division.

25. In the Ruby Mines division the boundary map of the Shweli reserves was completed, 4 miles being traversed by the Divisional Officer and 37 miles by Mr. Rogers, at a cost of Rs. 131.

Surveys in the Mandalay division.

26. In the Mandalay division a compass and plane-table survey of 216 square miles in the Madaya forest was made by the Divisional Officer, who traversed 264 miles, and 28 miles were traversed by Mr. Lane-Ryan in the Myittha forest. The total cost was Rs. 267.

Surveys in the Mu division.

27. In the Mu division the Divisional Officer ran 58 miles of traverse along the boundaries of the sanctioned reserves and 68 miles along the boundaries of the proposed reserves at a cost of Rs. 286.

Surveys in the Pyinmana division.

28. In the Pyinmana division 115 square miles of forest on the Sinthe stream were mapped by Mr. Carr, who ran 80 miles of traverse at a cost of Rs. 97.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—Regulation of management.

(*a*) *Working plans and their control.*

Valuation surveys.

29. Linear valuation surveys, details of which will be found in Appendix C, were made in the different divisions as follows:—

	Acres.
Bhamo	258
Katha	1,893
Ruby mines	442
Mandalay	1,418
Pyinmana	263
Southern Shan States	462
Total ...	4,236

A better outturn might have been expected from the Southern Shan States, in which only 39 acres were counted out by the Divisional Officer, the remaining 423 acres being the work of Burman subordinates.

Working plan for the Mohnyin reserve.

30. In the Katha division the Divisional Officer, Mr. O' Bryen, has drawn up a provisional working plan for the Mohnyin reserve, 37 square miles, from statistics collected by him while carrying out the demarcation of the tract. The working plan has not yet been sanctioned.

Rough working plan for the Kainggyi forest.

31. In the Mandalay division the Deputy Conservator, Mr. Copeland, was under the Chief Commissioner's orders directed to prepare a working plan for the Kainggyi forest in the State of Hsipaw, which the Sawbwa proposed to lease from Government. The result of two months spent in the examination and survey of the forest showed that the stock of dead teak timber on hand is equal to the possible yield of about 10 years and that consequently no girdling is admissible at present. Proposals have been drawn up for the improvement and protection of the forest, but these cannot be given effect to unless it is found practicable to reserve the tract—a matter at present under consideration.

(*b*) *Annual plans of operations.*

Annual plans of operations.

32. With some unimportant exceptions the annual plans of operations have been worked up to, but owing to the early setting in of the rains in the northern part of the circle less progress was made in the demarcation of reserves than was expected.

II.—Working of the year.

(*a*) *Communication and buildings.*

New buildings and repairs.

33. The amount spent on communications and buildings was as follows:—

	Rs.
Construction of new buildings	6,216
Construction of new roads (Shwebo bungalow)	95
Repairs to buildings including clearing compounds ...	2,333
Repairs to roads	154
Total ...	8,798

The principal item was the completion of the bungalow at Shwebo for the Mu Divisional Officer at a total cost of Rs. 9,267 (including cost of fencing and well), Rs. 3,053 being spent during the year. New servants' quarters and a cook-house were built at Bhamo for Rs. 586, and four new rest-houses were constructed—one in the Bhamo division, two in the Katha division, and one in the Pyinmana division—costing in all Rs. 2,315.

The repairs to the Bhamo Forest Office and bungalow had again to be postponed owing to the early setting in of the rains, but most of the necessary material was collected.

The Subdivisional office and bungalow at Tigyaing, both temporary buildings, which had originally cost Rs. 800, were burnt down on the night of the 7th March 1895. The fire is believed to have been incendiary.

Improvements in roads and floating streams carried out by lessees and contractors.

44. Some blasting has been done in the Udaung stream in the Katha division by the contractor working in that forest and the stream is reported to have been considerably improved for floating.

In the Mandalay division Messrs. The Bombay Burma Trading Corporation, Limited, spent Rs. 397 in blasting 19 large rocks at the Pyaungshu obstruction in the Myitngè river and Rs. 80 in blasting rocks in the Zegyan stream, one of the feeders of the Myitngè. In the Pyinmana division the same firm reports having spent Rs. 6,578 in clearing streams and Rs. 1,284 on the construction of new timber cart tracks.

(b) *Protection of forest from injury.*

1.—General protection and breaches of Forest Laws.

Breaches of Forest Laws.

35. The total number of new cases of breaches of Forest rules reported was 368 compared with 429 cases in the previous year. There were nine cases pending at the commencement of the year, 346 cases were disposed of, and 23 remained pending at the close of the year. The number of new cases taken into Court was 117 and the number of new cases in which compensation was accepted was 241, compared with 135 and 275 cases respectively in the previous year. The number of undetected cases also fell from 13 to 8. The proportion of convictions in cases disposed of in Court was 80 per cent. and the amount paid as compensation in cases compounded was Rs. 3,155.

General decrease in forest offences.

36. The Katha, Ruby Mines, and Mandalay divisions each showed an increased number of cases. In the two former the cases were nearly all petty offences, for which compensation was accepted, and the increase was no doubt due to better control consequent on the formation of the new Ruby Mines division. In the Mandalay division the increase was only apparent and was due to each person concerned in cases of illicit cutch-boiling having been separately charged. In the cases disposed of throughout the whole circle the number of persons concerned was 752 against 1,723 last year. It is therefore clear that there has been a great decrease in the number of forest offences, which, especially as regards illicit cutch-boiling, was most probably due to a very favourable harvest.

Illicit felling and girdling of teak trees.

37. Except in the Kachin Hills and in the Southern Shan States, where no subordinate protective establishment is entertained, there have been but few cases of felling and girdling green teak trees. As long as the Kachins confine themselves to their old taungya grounds little harm is done, but there is no doubt that in many cases they purposely locate their yas in good teak forest with the view of subsequently selling the dead trees to traders or lessees. The case in the Taungbalaung reserve reported in paragraph 44 of last year's report still remains undisposed of. The Kachins have not yet moved out of the reserve, but as the money compensation awarded them for moving was not paid until just as the rains were commencing, they could hardly be expected to do so.

Illicit felling and girdling of teak in the Southern Shan States.

38. In the Southern Shan States three cases pending from last year were disposed of. In the State of Möngkung the Myoza, who was reported to be working out teak without a license, was permitted to continue to extract dead timber on payment of an annual rent of Rs. 300. The Mawkmai Sawbwa was fined Rs. 5,000 by the Chief Commissioner for felling and girdling a large number of green teak trees: 147 green logs and 200 recently killed trees were found, but probably a much larger number was actually girdled. For similar offences committed in Mongnai, where over 2,500 trees have been girdled since 1890, the Sawbwa of that State was also fined Rs. 5,000. In both of these cases the fines were imposed on the Sawbwas as the responsible rulers of their States and it was left to them to recover the amount of the fines from the persons who carried out the illicit girdling and felling. A further case, in which 131 green teak trees were found to have been felled or girdled, has been reported from Mawkmai; and in Hsa Möng Hkâm 15 recently girdled teak trees were found. Neither of these two cases had been disposed of at the close of the year.

Encroachment by ya-cutters in the Ruby Mines reserve.

39. In the Ruby Mines division a serious encroachment on the part of Lishaw taungya cultivators was reported in the Ongaing and Bernardmyo reserves. The men were not punished as it appeared that they had misunderstood a verbal order given them by the Deputy Commissioner.

2.—Fire-protection.

Areas protected from fire.

40. The area attempted to be protected was 44,964 acres, compared with 35,435* acres in the previous year, and fire was successfully kept out of 43,388 acres at a cost of Rs. 3,044 or Rs. 44-14-0 per square mile.

Protection and fires in the Katha division.

41. In the Katha division the protection of the whole of the Mohnyin reserve and an adjoining strip of about 1½ square miles, 36½ square miles in all, was attempted. The reserve is self-protected on the western side and for about 3 miles on the south-east by evergreen forest, but it is intersected diagonally by the railway, which has to be traced on both sides. Four fires occurred: two were caused by a high wind springing up while the trace was being burnt; one was due to the carelessness of a cartman and the cause of the fourth was not discovered. The total area burnt through was 1,480 acres and the cost per square mile protected amounted to Rs. 38. Owing to the early setting in of the rains most of the reserves in this division escaped being burnt. In the Pyinde and Tatlwin reserves the villagers who have rights in the forest aided in putting out eight fires which broke out.

Protection and fires in the Ruby Mines division.

42. In the Ruby Mines division the Bernardmyo orchard and plantation was successfully protected, and in the Mogôk, Yebu, Kyinidaung, and Peikswe reserves 3,304 acres were protected out of a total of 3,400 acres attempted to be protected. The method of protection adopted was the same as last year. Fire entered a small portion of the Mogôk plantation and destroyed five small eucalyptus trees, but no other damage was done. The cost of fire protection was Rs. 74-15-3 per square mile protected.

The following areas in the Mogôk subdivision, for which no special protective measures were taken escaped being burnt:—

	Area of reserve. Acres.	Area unburnt. Acres.
Bernardmyo	12,200	6,200
Katha	1,260	930
Kyatpyin	1,840	1,795
Ongaing	2,880	660
Bamôn	920	900

The teak localities in the Shweli reserves are also reported to have remained unburnt, with the exception of the tract between the Nahan and Maingtha streams.

Protection and fires in the Mandalay and Mu divisions.

43. In the Mandalay division the planted areas at Maymyo, 15 acres, were kept clear of growth and required no protection. Nearly the whole of the teak forests in this division as well as those in the Mu division were burnt through.

Protection and fires in the Pyinmana division.

44. In the Pyinmana division the areas protected were the same as in the previous year, namely, 14 square miles in the Yanaungmyin reserve and 14½ square miles in the Kaing reserve. Protection was completely successful, the cost being Rs. 1,363 or Rs. 48 per square mile. Most of the forests not specially protected were burnt.

3.—Regulation of grazing and protection from cattle.

Reserved forests open to grazing.

45. Grazing is allowed during a part of the year over 519 square miles out of a total of 2,397 square miles of reserved forest. The number of cattle grazed is very small in comparison with the area, and little or no damage is done.

(c) *Improvement of forest growth.*

1—Natural reproduction.

Reproduction of teak in the Bhamo and Katha divisions.

46. In the Bhamo and Katha divisions no reproduction of teak has been recorded during the year under report. In the former division and in the Mohnyin reserve in the Katha division much of the teak occurs in forest of an evergreen type, in which reproduction without artificial aid is almost impossible.

Reproduction of pyinkado in the Katha division.

47. In the Katha division pyinkado is said to have reproduced itself freely in the lower Meza forest, but in the Kalôn forest, which is the most valuable, reproduction is very deficient.

Reproduction in the Ruby Mines division.

48. In the lower Shweli forest the crop of young teak which originated in a general flowering of the tinwa bamboo (*Cephalostachyum pergracile*) some 15 years ago has now attained a considerable degree of development and looks very promising for the future. Generally in the Shweli forest the natural reproduction of teak has been good, except in the evergreen forests in the Kunchaung and Maingtha reserves and in the Ingyin-

* Corrected figures.

bin forests west of the Shweli, where the ground is covered with a dense growth of waka bamboo (*Oxytenanthera albo-ciliata*).

Reproduction in the Mandalay and Mu divisions.

49. In the Mandalay and Mu divisions no special results have been noted in consequence of the flowering of bamboos recorded last year, and it is probable that not much young teak will come up until the dead bamboo stems have been removed by fire. The thanawa bamboo (*Thyrsostachys Oliveri*) is reported to have flowered more or less generally on the hills in the Tinwa, Nanbyan, and Nankyitha reserves.

Reproduction in the Pyinmana division.

50 In the Pyinmana division there was a very plentiful seeding of pyinkado, and the early rains that fell caused much of the seed to germinate.

Reproduction in the Southern Shan States division.

51. In the Southern Shan States division it is reported that there are large areas, notably in Mawkmai, over which natural reproduction of teak is impossible, all trees large enough to produce seed having been removed; otherwise reproduction is said to have been fairly good. In the State of Hsatung there has been an extensive flowering of the Myinwa bamboo (*Dendrocalamus strictus*).

Plantations.

52. No addition has been made to the area of regular plantations, but 80·75 acres have been cleared and planted with teak by taungya cultivators. The taungya plantations of 1894 have not been very successful, but the men were new to the work, and better results may be expected in future.

2.—Artificial reproduction.

Taungya plantations in the Bhamo division.

53. In the Bhamo division the 10 acres of teak taungyas sown last year in the Nampa reserve and the 14 acres in the Setkala reserve proved a failure, only 2,865 plants being counted over the entire area. The failure was probably owing to the sowings having been made too late. Much of the seed has, however, germinated during the present rains and the blanks are being filled up. An additional area of 4½ acres in the Setkala reserve has been cleared and sown. In the Uya-Hatha reserve four yas, aggregating 6 acres, which had been illicitly cut in 1893-94, were planted up by the Kachins by way of compensation, the Forest Department supplying the seed and marking out the places to be sown. The total cost of these 34 acres of plantation, including teak seed, up to the end of the year amounted to Rs. 165, of which Rs. 186 were spent during the year under report.

Teak taungyas and experimental sowings in the Katha division.

54. The taungya plantations made last year in the Katha division have also proved a failure and have been struck off the list of plantations. An additional area of 5 acres in the Nami reserve and 4 acres in the Pyinde reserve have been cleared and sown, but it is too soon to say with what results.

The experimental sowing in evergreen forest at Katu in the Mohnyin reserve was likewise a failure. It has this year been extended to 10 acres and resown; a similar experimental sowing has been made over 10 acres of dry forest in the Nampok stream in the same reserve and the Nami reserve. All the young bamboo shoots out over 6 acres of teak-producing forest have been thinned out with the view of inducing the reproduction of the latter.

The cost during the year amounted to Rs. 145 on account of the taungyas and Rs. 57 on account of the experimental sowings.

Teak taungyas in the Ruby Mines division.

55. In the Ruby Mines division 25 acres of taungya at Kundaw in the Namme reserve and 2 acres at Sinpe in the Nampaw reserve have been cleared and planted up. The expenditure incurred during the year was Rs. 56.

Plantations in the Pyinmana division.

56. In the Pyinmana division the plantations made in 1894 have proved successful, with the exception of 6½ acres of cutch plantation in the kaing reserve, which were destroyed by floods. All the plantations have been weeded wherever necessary. The plantations hitherto made have been on the sites of deserted taungyas and the cost of keeping them free of weeds and jungle growth has been very heavy.

The following statement shows their cost from the time of formation up to the 30th June 1895 :—

Year of formation.	Area in acres	Cost.			
		Previous.	During 1894-95.	Total.	Per acre.
1892	15	Rs. 278	Rs. 45	Rs. 323	Rs. A. P. 21 9 0
1893	39·5	1,202	446	1,648	41 12 0
1894	43 5	864	766	1,630	37 8 0
Total ...	98	.....	.....	3,601	.....

57. The small teak taungya plantation in the Yeni reserve is doing well. Of the six yas planted last year in the Yonbin reserve, only two, aggregating 8 acres, have been successful. During the present year several men have undertaken teak taungyas in the Yanaungmyin reserve and 34 acres in all have been cleared and sown, the seed being put in at distances of 12 feet by 8 feet. The teak sowings in open places in the kaing reserve have proved a failure.

Teak taungyas in the Pyinmana division.

4.—Other operations for the improvement of the growing stock.

58. Creeper cutting was carried out by all working parties whenever opportunity offered. In the Katha division Rs. 10 were spent in freeing trees in the Mohnyin reserve in the Ruby Mines division, Rs. 95 were spent in clearing away bamboos and creepers in groups of young teak in the Kunchaung and Namme reserves, and in the Minbyin reserve in the Pyinmana division Rs. 30 were spent in creeper cutting.

Creeper cutting.

5.—Experiments.

59. With the exception of planting out a small number of pine trees no further experiments have been carried out. There is no doubt that many kinds of European fruit trees, particularly peaches, nectarines, apples, and walnuts can be successfully grown in suitable localities, but the Forest Department has not sufficient establishment to afford such experiments the constant care and attention that they require. Mr. Hearsey, Extra Assistant Conservator, has been successful in growing peaches, damsons, and loquats in the Forest bungalow compound at Shwegu, where they have all produced fruit.

Experiments, general.

60. At Mogôk the small *Pinus longifolia* plantation has commenced to show very vigorous growth, but only a few of the *Eucalyptus* trees survive, *E. rostrata* being the only species that does at all well. At Bernardmyo 7,155 *Pinus khasya* seedlings were transplanted during the rains, but were nearly all destroyed by a violent hail-storm in March. The same storm did a good deal of damage to the *Eucalyptus* trees which were just recovering from last year's fire. Forty *Cupressus torulosa* trees, three deodars, and two Indian oaks have survived from the fire and are now doing well. The blanks have been filled up by *Pinus khasya* plants.

Experiments in the Ruby Mines division.

The number of fruit trees remain the same as last year. They have all been pruned, but owing to the combined effects of fire and hail-storm have produced very little fruit this year

The expenditure on the experimental plantations and orchard was Rs. 732.

61. At Maymyo a number of *Pinus longifolia* plants were put out, 400 in the old Chinese fort, 750 in the Cantonment Gardens, and 1,400 in the Forest bungalow compound, but nearly the whole of them were killed by the two months of hot, dry wind that followed the first break of the monsoon.

Experiments in the Mandalay division.

A number of *Pinus khasya* seedlings have been raised and will be ready for transplanting next rains.

Two of the fruit trees, a pear and a plum, have died, leaving only 22 now alive. One of the apple trees flowered in April, but most of the blossoms were destroyed by insects and only two apples ripened. The total cost of the experiments at Maymyo was Rs. 205.

(d) Exploitation of major forest produce.

2.—Selection fellings.

62. The only girdling done during the year was in the Katha division, where all the saleable teak trees were girdled on a block of one-quarter of a square mile in the Meza forest, which had been leased out for gold-mining. The number of trees girdled was as follows :—

Girdling.

6 feet in girth and over	27
4 feet 6 inches to 5 feet 11 inches in girth	20
3 feet to 4 feet 5 inches in girth	89
Below 3 feet in girth	566
Total ...	702

The above figures give a fair sample of the composition of most of the forests in the Mera drainage The cost of the girdling was Rs 52 8-0

The forests in the Southern Shan States were further inspected with a view to carrying out the girdling applied for by the various Chiefs, but no localities were found where trees were sufficiently numerous

5.—*Unregulated fellings*

Unregulated fellings

63 No estimate can be given under this head, which comprises timber felled under trade licenses, which prescribe no girth limit, timber felled for fuel, and timber felled by villagers for their own use

(e) *Extraction and transport of major forest produce by land and by water.*

1.—*Timber brought out by Government agency.*

Departmental operations.

64 The extraction of timber by Government agency was continued in the Bhamo and Katha divisions, 1,360 logs, measuring 1,227 tons, and 569 logs, measuring 603 tons being brought out from the two divisions respectively The result of the two years' working is shown in the following statement —

	Receipts	Logs.	Tons.	Cost of extraction Rs
Balance in hand from 1892-93		33	35	385
Extracted during 1893 94—				
Bhamo division		1 308	1 419	17 165
Katha division		435	441	5 259
Extracted during 1894 95—				
Bhamo division		1 360	1 227	21 215
Katha division		569	603	11 168
	Total	3 705	3 725	55,186

	Disposals	Logs	Tons	Sale price Rs
Sold during 1893 94—				
Bhamo logs at Bhamo		1	1	18
Bhamo logs at Mandalay		526	553	25,110
Katha logs at Katha		81	79	1 435
Sold during 1894 95—				
Bhamo logs at Bhamo		63	53	596
Bhamo logs at Mandalay		14	13	190
Bhamo logs at Rangoon		1 136	1 115	41 582
Katha logs at Katha		15	10	203
Katha logs at Mandalay		283	299	6 653
Katha logs at Rangoon		865	897	20 558
	Total	2 906	2 960	96,454
Used departmentally		2	3	
Lost		17	16	
Balance in hand—				
Bhamo logs at Bhamo		231	193	
Bhamo logs at Mandalay		201	279	
Bhamo logs at Rangoon		430	426	
Katha logs at Katha		7	10	
Katha logs at Mandalay		58	42	
Katha logs at Rangoon		193	287	
	Grand total	3 705	3 725	

Financial result of departmental operations

65. The average price realized was Rs 39-3-4 per ton and the average cost of extraction Rs 17 12-4 per ton, leaving a net profit of Rs 21-7-0 per ton

The timber is mostly from forests in which all the more accessible timber has been worked out by the former lease-holders, and the cost of extraction has consequently been high The average price realized was also somewhat lower than it would otherwise have been, owing to the timber having been sold together with a quantity of rather inferior drift logs

Rejected timber

66 In the above statement no account has been taken of rejected logs that were either made over to the contractor on payment of local duty or disposed of on the half-profit principle Logs of this class were extracted during the year under report to the following extent —

—	Logs	Tons	Cost of extraction	Revenue	Net revenue
			Rs	Rs	Rs
Made over on payment of local duty in Bhamo division	1 017	735		5,660	5 660
Disposed of on half profit system Bhamo division	1 660	788	5 603	11 386	5 003
Katha division	64	61	290	441	221
Total	2 750	1 524	5 913	17 807	11,594

The contractors are nearly all *ex*-local traders and the timber was for the most part logs that had been felled for the local market.

Partially extracted teak sold to Railway contractor.

67. In the Mohnyin reserve in the Katha division 1,524 teak logs, measuring 1,448 tons, mostly derived from trees on land cleared for the railway were sold to a railway contractor for Rs. 15,104, of which Rs. 7,004 have been paid and Rs. 8,100 still remain outstanding. The logs were felled, logged, and dragged to convenient places at the side of the railway at a cost of Rs. 2,040, which does not include the value of the work done by Government elephants which were employed for dragging. Of this sum Rs. 536 were charged during the year under report and Rs. 1,504 in the previous year.

Miscellaneous extraction.

68. Fifty-five logs of padauk and other woods were extracted at a cost of Rs. 249 to meet indents made by the Jail Department; 52 of these logs were sold for Rs. 560, one log was used departmentally, and two logs of tamalan (*Dalbergia sp.*) were made over to the railway for experimental purposes.

2.—*Timber extracted by lessees and Contractors on payment of royalty.*

Teak timber extracted by lessees.

69. The quantity of timber worked out by lessees or contractors on payment of a fixed royalty per ton is exhibited in the following table:—

Lessees or contractors	Division.	Forest.	Logs.		Tons.	Revenue.
						Rs.
Bombay-Burma Trading Corporation, Limited	Mandalay	Pyaungabu	Full-sized	4,040	5,343	58,942
			Under-sized	1,548	918	
	Mu	Mu	Full-sized	3,994	4 604	53,076
			Under-sized	1,713	1,173	
	Pyinmana	Pyinmana	Full-sized	67,515	70,952	8,31,125
			Under-sized	31,281	20,268	
Hadji Mahomed Hady	Bhamo	Mosit	Full-sized	1,006	1,306	13,406
			Under-sized	93	59	
	do.	Kaukkwe	Full-sized	993	1,410	14,498
			Under-sized	90	65	
	do.	Sinbo	Full-sized	956	1,042	12,980
			Under-sized	240	163	
	do.	Sinkan	Full-sized	346	494	7,461
			Under-sized	6	5	
Messrs. J. W. Darwood & Co.	Ruby Mines	Lower Shweli	Full-sized	5,174	7,718	1,18,673
			Under-sized	400	304	
	do.	Upper Shweli	Full-sized	232	240	12,180
			Under-sized	779	785	
	Mandalay	Hlaingdet	Full-sized	655	803	14,166
			Under-sized	1,470	803	
Nyaungywe Sawbwa	Ruby Mines	Momeit	Full-sized	563	606	9,560
			Under-sized	79	96	
Maung Sein	Katha	Kyayatat		10	11	138
Sher Khan	do.	Petsut		169	125	1,609
			Total	113,330	119,021	11,47,759

Of the above Rs. 21,389 due from Haji Mahomed Hady on account of timber from the Kaukkwe, Sinbo, and Sinkan forests had not been paid at the close of the year. The total results differ but little from those of the previous year.

Outturn from the different Pyinmana forests.

70. The outturn from the Pyinmana division was derived from the different forests as follows:—

	Logs.
Yeni	7,988
Upper Yônbin	18,980
Lower Yônbin	19,458
Ngalaik	24,395
Sinthe	18,165
Total	88,796

Revenue from the Southern Shan States.

71. The revenue paid by the Chiefs of the Southern Shan States as royalty for working out their forests, amounted to Rs. 41,959 as detailed below:—

	Rs.
Kengtûng (for 1893 in full)	5,000
Kengtung (for 1894 in part)	1,740
Mônguai (balance due for 1893)	9,800
Mônguai (for 1894 in full)	10,000
Mawkmai (balance due for 1894)	3,616
Mawkmai (for 1895 in part)	3
Mônguan (for 1894 in full)	10,000
Kenglikam (for 1894 in full)	1,000
Môngnawng (for 1894 in part)	500
Môngkung (for 1894 in full)	300
Total	41,959

Rupees 3,260 were still due at the close of the year from the Sawbwa of Kengtung and Rs. 450 from the Myoza of Hsatung. The revenue from the former State is utilized for the pay of the Assistant Political Officer and his establishment and is only drawn on as required.

Estimated outturn of the Southern Shan States.

72. The outturn of the different forests on the Salween in the Southern Shan States is shown in the following statement:—

State	Estimated outturn: Logs	Estimated outturn: Tons	Local value of outturn	Yearly rent paid to Government	Proportion of rent to local value of outturn per cent.	Number of elephants employed	Remarks.
			Rs	Rs			
Kengtawng (Mönguai)	6,277	4,184	1,29,102	10,000	8	151	
Möngpan	4,320	2,880	1,29,600	10,000	8½	108	
Möngnawng	200	133	6,000	500	8½	5	
Kenghkam	590	393	14,750	1,000	7	7	
Möngpu (Kengtung)	1,400	1,000	35 000	5 000	14½	35	
Mawkmai	5,000	3,800	1,35,000	7,000	5	122	
Hsatung ...	180	120	5,400	450	8½	5	One for six months only
Möngküng	100	50	3,000	300	10	..	
Total ..	18,067	12,580	4,51,852	34,250	7·58	433	

3.—*Timber extracted under trade licenses or brought to revenue stations.*

Extraction of timber by local traders.

73. The following table shows, division by division, the total quantity of timber, both converted and in the log, extracted under trade licenses and the revenue realized:—

Timber and other major forest produce	Bhamo: Quantity.	Bhamo: Revenue.	Katha: Quantity	Katha: Revenue.	Ruby Mines: Quantity	Ruby Mines: Revenue.	Mandalay: Quantity	Mandalay: Revenue	Mu: Quantity	Mu: Revenue.	Pyinmana: Quantity.	Pyinmana: Revenue	Total: Quantity	Total: Revenue.
		Rs.		Rs		Rs		Rs.		Rs		Rs.		Rs.
Teak timber, tons of 50 cubic feet	6,872	59,580	1,775	15,399	4,219	42,467	491	5,865	911	6,786	606	5,874	14,674	1,35,971
Padauk timber, tons of 50 cubic feet	...	...	20	310	:	.	52	913	48	762	31	515	151	2,530
Unreserved timber, tons of 50 cubic feet	5,055	6,709	12,570	24,368	4,625	8,669	5,263	5,180	2,582	4,143	8,679	22,783	38,775	71,872
Firewood and charcoal, tons of 120 cubic feet	125	64	8,779	4,978	3,187	1,716	37,074	21,955	10,344	5,001	5,500	1,458	65,009	35,172
Bamboos, hundreds	5,218	2,104	44,391	13,014	7,898	2,979	23,475	6,165	54,308	11,988	3,614	1,106	1,38,904	* 37,356
Canes, hundreds	4,302	616	3,098	348	3,730	804	67	9	820	79	173	772	12,202	2,628

* Includes Rs 31, sale of 1,600 confiscated bamboos credited to III

Local trader's extraction compared with previous year.

74. Compared with the previous forest year the total outturn by local traders was as follows:—

Timber and other major forest produce.		During forest year 1893-94: Quantity	During forest year 1893-94: Revenue.	During forest year 1894-95: Quantity	During forest year 1894-95: Revenue
			Rs		Rs.
Teak timber	Tons	13,625	1,20,178	14,674	1,35,971
Padauk timber	"	254	5,725	151	2,530
Unreserved timber	"	33,922	61,290	38,775	71,872
Firewood and charcoal	"	79,068	39,893	65,009	35,172
Bamboos	Hundreds	110,753	29,062	138,904	37,356
Canes	"	18,817	2,775	12,202	2,628
Total			2,58,923		2,85,529

The decrease in revenue from padauk and canes was due to a fluctuating demand that under firewood was partly caused by Government steamers ceasing to pay for the fuel consumed by them, and partly by the railway having used a smaller quantity than

in the previous year. Under all other heads there has been a satisfactory increase. Notwithstanding the fact that the more accessible forests have had to be closed, the trade in pyinkado sleepers in the Pyinmana division has shown no falling off, 3,363 tons having been exported compared with 3,291 tons in the previous year.

4.—Timber granted under free licenses.

Timber extracted under free licenses.

75. The following statement shows the quantities of teak timber granted under free licenses compared with that granted during the previous year :—

Division	During 1894-95			During 1893-94
	Licenses.	Logs.	Tons (estimated).	Tons (estimated).
Bhamo	223	3,871	947	725
Katha	50	1,946	370	1,110
Ruby Mines	105	1,095	389	
Mandalay	14	252	137	138
Mu	30	517	103	50
Pyinmana	75	1,446	723	945
Southern Shan States	9	350	350	...
Total	507	8,767	3,019	2,977

Besides the above 2 tons of padauk wood were granted free in the Pyinmana division.

5.—Drift and confiscated timber.

Collection of drift.

76. The number of drift logs awaiting claimants at the commencement of the year was 294 and 1,993 logs were salved during the year making a total of 2,287. Of these, 1,090 were made over to claimants, 1,156 were transferred to Government account and 4 went adrift leaving 37 logs undisposed of at the close of the year.

Disposal of timber lapsed to Government.

77 The following shows the receipts and disposals of lapsed drift and confiscated timber :—

	Teak		Other woods	
	Logs	Converted	Logs	Converted.
Receipts	Number	Tons	Number	Tons.
Balance	1,330	24	158	...
Lapsed drift	1,080	...	76	...
Confiscated	887	6	278	88
Total	3,297	30	512	88
Disposals.				
Sold	1,755	30	440	79
Lost or used	81		12	...
Balance	1,461		51	9
Total	3,297	30	513	88

Revenue and expenditure on drift and confiscated timber.

78 The revenue and expenditure on account of drift and confiscated timber was—

Revenue

	Rs.
Salvage	2,473
Sales	18,262
Total	20,735

Expenditure

	Rs.
Maintenance and repairs of two launches	6,709
Collection of drift	5,345
Total	12,054

6.—Export of teak timber extracted for local sale.

Exports for Lower Burma.

79. Export duty amounting to Rs. 295 was paid on 59 tons of converted teak which had been extracted for local sale.

7.—*Exploitation of minor forest produce.*

Minor forest produce.

80. The minor forest produce extracted for trade purposes in each division is given in the following statement :—

Produce.	Bhamo		Katha.		Ruby Mines.		Mandalay.		Mu.		Pyinmana.		Total.	
	Licenses.	Viss.	Licenses.	Viss.	Licenses.	Viss.	Licenses.	Viss.	Licenses.	Viss.	Licenses.	Viss.	Licenses.	Viss.
Cutch	...	..	5	10,000	...	...	9	10,367	8	7,702	...	20	22	28,089
India-rubber	..	171,348	..	...	...	...	..	..	...	...	...	...	...	171,348
Thitsi	4	400	136	13,600	20	2,000	110	11,000	729	72,900	163	16,380	1,162	116,280
Wood-oil	...		...	...	...	...	...	...	2	200	2	200	4	400
Indwe	3	15,364	140	14,000	...	...	2	200	239	23,900	...	...	384	53,464
Pwenyet	...	..	51	510	2	20	7	70	24	240	12	120	96	960
Lac	...	3,818	...		...	...	72	7,200	16	1,600	..	...	88	12,618
Honey and wax	2	20	31	310	2	20	3	30	1	10	5	50	44	440
Wax (passed at Bhamo revenue station).	...	51	...	...	...	...	...	...	...	...	...	...	...	51
Shaw fibre	3	315	131	13,100	42	4,200	24	2,400	33	3,300	126	12,600	359	35,915
Bark	...	...	81	8,100	7	700	7	700	...	...	...	...	95	9,500
Thanaka bark	...	...	...	...	...	...	4	562	1	100	5	500	10	1,162
Limestone	7	21,000	29	87,000	1	3,000	12	36,000	5	15,000	12	36,000	66	198,000
Sand and whetstone	...	...	23	2,300	...	...	...	...	...	...	...	..	23	2,300
Myrabolams	...	...	17	1,700	2	200	...	...	6	600	...	...	25	2,500
Miscellaneous	...	...	...	...	2	...	2	...	..	...	...	...	4	...

Extraction of minor forest produce compared with previous year.

81 The details of outturn compare with those of the previous year as follows :—

Period.	Cutch.		Rubber.		Other minor produce.
	Viss.	Revenue.	Viss.	Revenue.	Revenue.
		Rs.		Rs.	Rs.
Forest year, 1893-94	225,373	7,455	201,677	1,51,258	8,182
Forest year, 1894-95	28,089	3,227	171,848	1,28,511	9,664

The issue of cutch licenses was restricted to areas which contained dead or dying trees, or the areas about to be brought under permanent cultivation, and only 22 licenses in all were issued, compared with 112 in the previous year. The falling off in the outturn of India-rubber is attributed by the Chinese merchants at Bhamo to the destruction of the trees by over-tapping, and it is feared that this explanation is the true one.

CHAPTER III.

Gross yield and outturn of forest produce.

Summary of outturn.

82. Exclusive of the timber and produce extracted by villagers for their own use, the amount of which cannot be estimated, the net outturn of the forests was as follows :—

How extracted.	Teak.		Other reserved woods.		Unreserved woods.		Firewood and charcoal.		Bamboos.		Canes.		Minor produce.	Total revenue, I, II and III.
	Tons.	Rs.	Tons.	Rs.	Tons.	Rs.	Tons.	Rs.	No.	Rs.	No.	Rs.	Revenue.	
													Rs.	Rs.
By Government agency including drift and confiscated.	6,148	1,19,697	6	166	252	1,282	31	6	2,100	33	...	...	...	1,21,184
By lessees and contractors paying a fixed royalty per ton.	1,19,021	11,26,370	...	...	...	...	...	...	...	...	...	...	...	11,26,370
By the Chiefs of Southern Shan States.	12,530	41,959	...	...	...	...	...	...	...	...	...	...	...	41,959
By consumers and purchasers.	14,674	1,36,266	151	2,530	38,775	71,872	64,249	34,830	13,890,404	37,356	1,220,178	2,628	1,41,402	4,26,884
By right-holders ...	...	...	...	...	...	...	760	342	...	...	...	...	...	342
Free grants	3,019	...	2	...	...	...	...	...	...	...	...	...	...	...
Total ...	155,428	14,24,292	159	2,696	39,027	73,154	65,040	35,178	13,892,504	37,389	1,220,178	2,628	1,41,402	17,16,739

CHAPTER IV.

FINANCIAL RESULTS.

Financial results.

83. The revenue and expenditure of the year compared with the four preceding years was as follows:—

		Rs.	Rs.
Financial year, 1890-91.			
Revenue			18,25,069
Expenditure	(A)	57,806	1,91,965
	(B)	1,34,159	
Surplus ...			11,33,104
Financial year, 1891-92.			
Revenue			9,23,999
Expenditure	(A)	80,319	2,57,954
	(B)	1,77,635	
Surplus ...			6,66,045
Forest year, 1892-93.			
Revenue			15,84,028
Expenditure	(A)	94,092	2,88,817
	(B)	1,94,725	
Surplus ...			12,95,211
Forest year, 1893-94.			
Revenue			16,07,149
Expenditure	(A)	1,17,402	3,27,902
	(B)	2,10,500	
Surplus ...			13,39,247
Forest year, 1894-95.			
Revenue			17,32,475
Expenditure	(A)	1,07,076	3,29,837
	(B)	2,22,761	
Surplus ...			14,02,638

The gross revenue is the highest yet recorded and the surplus exceeds that of any year except that of 1889-90.

Revenue compared with previous years.

84. The following statement exhibits the revenue compared with that of the two preceding years grouped according to the principal sources from which it is derived:—

Source of revenue.	Forest year.		
	1892-93.	1893-94.	1894-95.
	Rs.	Rs.	Rs.
Revenue on timber worked out by Government agency	12,518	27,000	29,576
Revenue paid by lessees including rent paid by Shan Chiefs	9,72,317	11,58,039	11,04,329
Revenue on reserved timber worked out by local purchasers	2,56,503	1,31,748	1,38,795
Revenue on unreserved timber worked out by local purchasers	53,147	61,250	71,573
Revenue on firewood	28,845	30,823	36,173
Revenue on bamboos	25,443	29,062	27,260
Revenue on canes	3,026	2,775	2,629
Revenue on cutch	10,190	7,455	8,227
Revenue on India-rubber	1,66,635	1,51,258	1,28,511
Revenue on other minor forest produce	4,128	8,182	9,604
Revenue on drift and confiscated timber	29,253	30,404	21,575
Miscellaneous revenue	24,044	19,044	15,736
Total ...	15,84,028	16,07,149	17,32,475

The increased revenue from timber extracted by Government agency is due to extended operations in the Bhamo and Katha divisions and the decrease in miscellaneous revenue is due to fewer hammer-marks having been registered. The other items have been explained in Chapter II.

Expenditure compared with that of previous year.

85. The total expenditure under A was Rs. 10,300 less than in the previous year. There was an increase of Rs. 2,300 on account of timber worked out by Government agency and a decrease of Rs. 8,300, Rs. 2,500, and Rs. 2,500 respectively under A-VII (Communications and buildings), A-VIII (Organization and improvement), and A-IX (Miscellaneous).

Under B (Establishments) there was an increased expenditure under all sub-heads of I, Salaries, amounting to Rs. 16,900, the principal increase being under I(*b*), Pay of superior officers, Rs. 8,300, and I(*f*), Exchange compensation allowances, Rs. 5,100. Travelling allowances, B-(II), cost Rs. 5,400 less than in the previous year, and under III, Contingencies, there was a slight increase, making a total increase under B of Rs. 12,300.

Financial results by divisions.

86. The financial results, division by division, compared with those of the forest year 1893-94, are given below :—

Division.	Forest year 1893-94.			Forest year 1894-95.		
	Revenue.	Expenditure.	Surplus.	Revenue.	Expenditure.	Surplus.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	351	...	351	240	...	240
Bhamo	2,93,518	65,370	2,28,148	2,91,060	68,851	2,22,218
Katha	2,06,843	73,039	1,33,814	1,12,428	61,934	50,494
Ruby Mines				1,99,015	27,979	1,71,036
Mandalay	1,42,479	49,708	92,771	1,05,783	46,258	59,525
Mu	1,45,993	37,025	1,08,968	95,504	31,023	64,481
Pyinmana	8,45,116	75,338	7,66,783	8,70,840	70,896	7,99,944
Southern Shan States	32,919	24,437	8,482	56,996	22,896	34,100
Total ...	16,67,149	3,27,902	13,39,247	17,32,475	3,20,837	14,02,638

CHAPTER V.

Forest Administration.

Alterations to forest rules.

87. Some alterations have been made in the rules relating to the removal in transit of timber, cutch, and jade-stone; a fee has been imposed on timber left stored at drift or revenue stations for more than one month; the rules for the payment of rewards to informers have been revised; the maximum penalty for the illicit felling of cutch trees has been raised to six months' imprisonment or Rs. 500 fine or both; and a new revenue station has been established at Sabenago in the Katha division in place of Kyanhnyat abolished. Instructions have been issued by the local Government in regard to dealing with applications to boil cutch on waste land claimed as private property (Forest Department Circular No. 54 of 1894) and orders have been issued to village headmen directing them to report the establishment of cutch camps in or near their villages (Forest Department Circular No. 100 of 1894).

Formation of new Ruby Mines division.

88. The Katha division being found to be too large to be conveniently managed by one officer, a new division, called the Ruby Mines division, comprising the area drained by the Shweli river and a part of the Mogôk civil subdivision was formed on the 1st September 1894.

Statement of reserves not visited by Conservator during past two years.

89. In accordance with the orders contained in Revenue Secretary's letter No. 42-1M.—5, dated the 2nd July 1895, the following list is given of reserved forests that have not been visited by the Conservator during the last two years :—

Division.	Reserve.
Bhamo ...	Setkala.
	Nampa
	Taungbalaung.
	Uya Hatha.
Katha ...	Mawhun.
	Kalat.
	Nami.
	Tatlwin
	Pile.
	Pyindè.
Ruby Mines	Nampaw.
Mu ...	Yabin.
	Pyaungthwè.
	Maingwun.
	Sareiktha.
	Nankyitha.
	Nanbyan.
	Tinwa.
Mu ...	Nabè.
	Wabo.
	Kalawpa.
	Môkwa.
	Budaung.
Pyinmana ...	Yeni.
	Minbyin.
	Yôubin.
	Pozaungdaung.
	Taungnyo.
	Ngalaik.

The list is a long one, but practically the whole of the dry season of 1893-94 and a great part of that of 1894-95 was spent in examining unreserved forests which had not previously been explored.

Charges held by gazetted officers.

90. The Eastern circle was under the charge of Mr. F. B. Dickinson until the 7th December 1894, when the writer of this report resumed charge on his return from furlough.

Divisional and subdivisional charges were held during the year as follows:—

Division.	Subdivision	Date. From	Date. To	Officer in charge.
Bhamo ...	...	1st July ...	30th June ...	Mr. E. S. Carr, Deputy Conservator.
Do. ...	Shwegu ...	do. ...	do. ...	Mr. W. A. Hearsey, Extra Assistant Conservator.
Katha ...	...	do. ...	do. ...	Mr. E. A. O'Bryen, Officiating Deputy Conservator.
Do. ...	Myadaung	1st July ...	8th September...	Mr. R. M. Kavanagh, Extra Assistant Conservator.
		14th September	5th November ..	Mr. C. S. Rogers, Extra Assistant Conservator.
		21st November	30th June ...	Mr. R. M. Kavanagh, Extra Assistant Conservator.
Ruby Mines ...	...	1st September...	28th September	Mr. E. A. O'Bryen, Officiating Deputy Conservator.
		29th September	4th January ...	Mr. C. R. Dun, Officiating Deputy Conservator.
		5th January ...	30th June ...	Mr. H. Jackson, Deputy Conservator.
Do. ...	Mogôk	1st July ...	29th December	Mr. C. S. Rogers, Extra Assistant Conservator.
		30th December	30th June ...	Mr. C. W. B. Anderson, Extra Assistant Conservator.
Do. ...	Môngmit ...	10th July ...	30th June ...	Mr. C. S. Rogers, Extra Assistant Conservator.
Mandalay ...	...	1st July ...	do. ...	Mr. J. Copeland, Deputy Conservator.
Do. ...	Mandalay ...	20th February...	19th June ...	Mr. R. F. Lowis, Extra Assistant Conservator.
Do. ...	Kyauksè	18th October ...	12th December	Mr. C. W. B. Anderson, Extra Assistant Conservator.
		18th December	30th June ...	Mr. W. J. Lane-Ryan, Extra Assistant Conservator.
Pyinmana ...	...	1st July ...	12th July ...	Mr. C. E. Muriel, Deputy Conservator.
		13th July ...	3rd November...	Mr. S. Carr, F.C.H., Assistant Conservator.
		4th November	30th June ...	Mr. C. E. Muriel, Deputy Conservator.
Do. ...	Yamèthin	1st July ...	12th July	Mr. S. Carr, F.C.H., Assistant Conservator.
		4th November...	30th June	
Do. ...	Pyinmana ...	3rd July ...	9th December ...	Mr. W. J. Lane-Ryan, Extra Assistant Conservator.
Southern Shan States.	...	1st July ...	15th December	Mr. H. Jackson, Deputy Conservator.
		16th December	24th June ...	Mr. H. B. Anthony, Deputy Conservator.
		25th June ...	30th June ...	Mr. C. R. Dun, Assistant Conservator.

Leave of officers.

91. Privilege leave was granted to the following officers during the year:—

Mr. Muriel, Deputy Conservator
Mr. Jackson, Deputy Conservator } Three months and 15 days.
Mr. Dun, Assistant Conservator

Mr. Lowis, Extra Assistant Conservator, three months.

Mr. Kavanagh, Extra Assistant Conservator, two months and fifteen days.

Transfers.

92. Mr. Anthony, Deputy Conservator, joined this circle on the 16th December 1894 and was transferred to the Pegu circle on the 25th June. Mr. Dun, Assistant Conservator, was transferred from the Eastern circle on the 5th January and rejoined it on the 25th June 1895. Mr. Lowis, Extra Assistant Conservator, joined the circle on the 20th February and his services were transferred to the Government of India on the 20th June 1895. Mr. C. W. B. Anderson was reinstated in the department with effect from the 14th October 1894.

Messrs. Pocock and Craddock, both passed students from the Imperial Forest School, were appointed temporary Forest Rangers, the former on the 21st July 1894 and the latter

on the 12th May 1895. Mr. Rencontre, a temporary Ranger, deputed to the school, gained his certificate and rejoined the circle on the 16th April 1895.

Cost of forest establishment.

93. The cost of the permanent and temporary establishments employed compared with that of the previous was as follows:—

	Forest year, 1893-94. Rs	Forest year, 1894-95. Rs
Permanent		
Forest and Depôt Establishment, B Ic.	25,553	23,018
Temporary.		
Forest and Depôt Establishment, B Ic.	15,617	19,536
Forest and Depôt Establishment, All	999	
Total	42,169	42,554

Services of gazetted officers.

94. The Conservator has much pleasure in acknowledging the good work done by Messrs. E. S. Carr, Murray, Copeland, Muriel, Jackson, and O'Bryen, who have been most energetic and successful in the management of their respective divisions. Among the Subdivisional Officers Messrs. S. Carr, F.C.H., Assistant Conservator, and C. S. Rogers, Extra Assistant Conservator, deserve commendation for good work done in the forests, and Messrs. Lane-Ryan, Lowis, Kavanagh, and Hearsey have efficiently carried out the revenue work on which they were chiefly employed.

Services of subordinate staff.

95. The reports regarding the subordinate establishment are on the whole somewhat better than usual. Forest Rangers Maung Po Thin, Maung At, and Maung Sein Gale are specially commended by their Divisional Officers. Maung At has been particularly successful, both in regard to fire protection and plantation work.

Clerical establishment.

96. The Conservator's office establishment under the superintendence of Mr. Mooroogasum has worked willingly and with diligence, and divisional office establishments have as a rule worked well. The latter are, however, still too weak and, when a clerk gets sick, work at once gets into arrears.

Health of officers.

97. The health of gazetted officers has been generally good, but Mr. Anthony, Deputy Conservator in charge of the Southern Shan States Division, appears to have been ill during a great part of the working season and the members of the Provincial Service suffered much from fever and dysentery.

The health of the subordinate establishment has not been good. Forest Ranger Maung Po Khin, attached to the Bhamo division, died and the staff generally have suffered much from fever.

General Remarks.

Steam-launches.

98. The launches *Ranger* and *Forest Guard* were employed on revenue and drift work in the Bhamo, Katha, and Mandalay divisions at a cost of Rs. 540 for repairs and Rs. 6,169 for working expenses and establishment.

Elephants.

99. At the beginning of the year there were 22 elephants and two calves attached to the circle. One elephant, a tusker belonging to the Katha division, was killed by a wild elephant, leaving 21 elephants and two calves on hand at the close of the year. One animal broke loose in the Katha division in June last and has not yet been recaptured.

Collection of specimens for Reporter on Economic Products.

100. Three hundred-weights of crude resin from *Pinus khasya* trees was collected in the Thamakan forest for the Reporter on Economic Products and specimens of *Xylia dolabriformis* (pyinkado, timber from the Katha and Pyinmana forests were supplied to the same officer.

Mandalay:
The 24th September 1894.

J. W. OLIVER,
Conservator of Forests, Eastern Circle.

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REPORT

ON

FOREST ADMINISTRATION

IN

THE WESTERN CIRCLE

For the year 1894-95.

BY

F. B. DICKINSON, ESQUIRE, CONSERVATOR OF FORESTS, WESTERN CIRCLE.

CHAPTER I

EXTENSION AND CONSTITUTION OF STATE FORESTS.

1.—Alteration of Area.

Reserved forests.

THE area of reserved forests has been increased by 210 square miles, namely, the East Patolôn Reserve, 207 square miles, in the Lower Chindwin division, gazetted in Notification No. 363, dated the 21st September 1894. The remaining 3 square miles is due to a more correct computation of the area of the Tichaungwa reserve in Minbu division.

The Kanti forest in Upper Chindwin division and the Wayè, Kyaukka, Labin, and Tan forests in Lower Chindwin division were gazetted as reserves under section 16 of the Upper Burma Forest Regulation during the year, but the dates from which they are declared to be reserves fall in the succeeding year; consequently they are not shown as reserves in this report.

The total area of reserved forests at the close of the year is 2,011 square miles, which includes 36 square miles subject to taungya privileges enjoyed by 208 persons. No new taungya privileges have been given during the year.

"Protected" forests.

2. The area of "protected," *i.e*, forest protected by the rules under Chapter IV of the Forest Regulation has been very little altered, the exclusions being 207 square miles transferred to reserves and 13 square miles to cultivation, while the new additions to the protected area were 232 square miles. The total area of protected forests at the end of the year stands at 14,460 square miles as compared with 14,448 at the end of last year. The term "protected" is merely given to these forests for convenience sake, they are not protected forests within the meaning of the Indian Forest Act.

Forests examined.

3. The examination of "protected" forests, with a view to reserving further areas, could not be carried on with so much vigour as in the previous year, owing to officers' time being much taken up on demarcation and settlements.

Upper Chindwin division.—Mr. Bruce marched through the drainage of the *Nankasa* a feeder of the Uyu, when on settlement duty and found a good deal of teak in it. It will require further examination Mr. Burn-Murdoch also came on a fair amount of teak near *Yeson* on the *Nanmawkwin chaung*, a feeder of the Chindwin, while on the march to Mansi; this also requires further examination.

The *Chaungyi chaung* is a large feeder of the Uyu rising in the Mansi township of Katha district. Teak occurs in narrow strips along the stream. It has been heavily worked in times past. The *Natmawklauk* and *Kauksa* forests consist of heavy evergreen with islands of teak not worth reserving.

Kaduchaung.—Teak is common on the ridges at its headwaters, but most of its length lies through evergreen jungle and cane brakes.

4. *Lower Chindwin division*.—The late Mr. Aplin examined the *Thinkadôn*, *Upper Yagyi*, and *Legan* forests. The forest in the drainage of the *Thinkadôn* only contains teak in any quantity in its upper reaches and on the higher spurs of the Mahudaung range. Girdling had been done in these forests prior to the annexation and the numerous stumps show that it was overdone. Ingyin (*Pentacme Siamensis*), thitya (*Shorea obtusa*) and In (*Dipterocarpus tuberculatus*) are common on the drier slopes of the Mahudaung. The eastern watershed of the Thinkadôn is covered almost entirely with In (*Dipterocarpus tuberculatus*) forest. There is very little cutch in the valley. The area of teak-bearing forest is roughly computed at 30 square miles, which it is intended to propose for reservation.

The forest of the Upper *Yagyichaung* contains a small patch of teak on the lower slopes of the Mahudaung to the west and north-west of Yeyin village. The teak is of small size and rather scattered; the greater portion of the forest consists of *In*, *thitya*, and *Ingyin*.

The *Legan* teak and cutch forests are situated in the vicinity of *Legan* on a south feeder of the North Yama stream. There is a good cutch forest between Legan and the Gyobin cutch camp, the trees being of large size and fairly numerous. Teak of small size is found here and there, but the mass of the forest consists of In and Ingyin with a good deal of than (*Terminalia Oliveri*).

5. The following forests were examined by Mr. Thompson in the Mingin subdivision:—

The forests in the drainage of the *Yenge* stream, which rises in the Chin Hills and falls into the Myittha opposite Koko village. Teak is confined to the alluvial bends of the stream on either side. The lower portion was girdled in Burmese times, probably some 40 or 50 years ago. Some of the growing trees are from coppice shoots, showing that the trees were felled when green, and have attained large dimensions. During the year 180 teak trees were girdled by Government. Countings over 42 acres show that the forest is well worth reserving. There are fine cutch forests on the upper and middle reaches of the stream, and 424 cutch trees were marked here for felling next season. The approximate area of the tract is 30 square miles.

The *Napha* forest, situated in the drainage of the Napha stream, a large feeder of the Nwa stream. Good teak is found on the north watershed, while that on the south watershed is poorer. The forest is notable for the very large proportion of first class teak trees. During the year 695 trees were girdled in the area. Countings were made over 144 acres and prove the forest to be well worth reserving.

The *Yebyauk* forest occupies a small area in the basin of the Yebyauk stream, an insignificant stream between the Napha and the Mezali. Teak is found on the dry hills forming the watershed between the Napha and Yebyauk and is similar in character to that growing in the north watershed of the *Napha*. The total number of trees girdled here by Government was 60.

The *Mezali* forest, drained by the stream of that name. The hills are covered with dry open forest that are rich in teak. Second class trees are very numerous on the left bank and quite out of proportion to the other classes Unfortunately the third and fourth classes are very poorly represented. The common bamboo here is the myinwa (*Dendrocalamus strictus*), and as this species flowers sporadically every year, something might be done to improve the reproduction of teak, but before any such work is undertaken the forest would have to be protected from fire. On the right bank the reproduction is good and the classes more normally represented. Valuation surveys were made over 96 acres and 50 trees were girdled.

The *Pahauk* forest occupies the drainage of the stream of that name. Teak grows on the higher ridges of the north and south watershed whereon the forests are open. It has been rather heavily worked in Burmese times and this, together with the unsatisfactory proportions of the second and third class trees, necessitated light girdling, and only 129 were girdled. The forest at the headwaters is principally evergreen, consisting of oak and chesnut.

The forest on the lower hills is rich in cutch. Some fine patches of this species are seen on old landslips, which appear to offer particularly favourable conditions to the reproduction of cutch.

The *Sinywa* forest occupies the drainage of the Sinywa stream, a large feeder of the Myittha, on its right bank, joining the Myittha close to Sinywa village. The stream drains the Mauktauk hill and the jagged limestone hill called Kesagôk. The forest is dry and open. Teak is not very plentiful and only 99 trees were girdled. Good cutch is found on some of the drier hills.

The forests in the drainage of the *Tin*, a feeder of the Tan, contain much good teak; 212 trees were girdled. As usual the younger classes of teak are poorly represented in this forest. The headwaters of the *Tan* were examined. The slopes here carry fine teak, but it annot be extracted owing to the numerous gorges the stream passes through below.

6. In the *Yaw division* the forests in the *Miè* and *Peinnè chaungs*, feeders of the Kyi chaung, and in the *Tè* chaung, a feeder of the Yaw, were examined.

The forests in the *Miè chaung* adjoin those in the *Hnaw* briefly described last year. They resemble each other, except that the Miè forests are damper and the kathaung (*Bambusa polymorpha*) takes the place of myinwa. Reproduction is poor; the ground is covered with small stones without any layer of humus, which is no doubt attributable to annual fires. Teak trees over 6 feet in girth are plentiful, cutch and padauk (*Pterocarpus macrocarpus*) occur in large numbers and the reproduction of cutch is fairly good.

The *Peinnè chaung* forests are situated on the dry western slopes of the Pôndaung hills. The hills rise to 1,500 feet and are very steep and the soil is poor. The proportion of second and third class teak to first class is larger than usual, but reproduction of teak is bad. Besides teak, cutch, padauk, and pyinkado (*Xylia dolabriformis*) are plentiful.

The *Tè chaung* forests contain but little large teak, having been heavily worked in Burmese times. Reproduction is bad. There is, however, a good deal of cutch and padauk, the reproduction of the former being good.

The ya-cutters have cut yas adjacent to all these forests. The valley of the Miè is an enormous stretch of yas stretching westwards. It is therefore important to reserve the remaining patches of teak forest.

In the Gangaw subdivision a further examination of the *Kunze* reserve shows that it is not so rich in cutch as was previously supposed and that the estimate of 18 cauldrons per annum is far too large. Most of the cutch was found to be on the Pya stream.

The lower slopes of the hills carry a good deal of pyinkado, but of rather small size.

The *Mè* chaung forest to the west of Laungdaung reserve has been a very good teak forest, but has been overworked. There is a good deal of young teak of good promise in the upper basin of the stream. This forest will be further examined with a view to reservation.

The *Tazan* chaung, south of the Mè and Laungdaung chaungs, is a feeder of the Sithni. The forest contains some scattered patches of good teak and is in many parts very rich in cutch. Cutch was marked for felling here. On the left bank alone 2,000 green and 4,000 dead trees were marked. This gives the present stock at about 7,000 green trees over 3 feet in girth. Lower down, near the junction of the Tazan with the Sithni, there is a good deal of padauk. The rest of the Sithni forests, though good in parts, does not come up to those on the Tazan.

The forests in the *Tilin* circle east of the Man river are similar in character. A zone 3 miles wide of *In* forest adjoins the river; east of this are found teak and cutch forest with accessories, the cutch being the more important here. Unfortunately every hillside is covered with taungyas, the old yas presenting a mournful appearance from the thousands of standing dry stems of burnt cutch trees. Such forest as still remains is above the yas and will gradually disappear unless reserved.

7. *Minbu division.*—In the Minbu district an area of about 20 square miles north of the Nwamadaung reserve in the drainage of the *Dayu-Thinbe* was examined and found to be very rich in cutch and has been proposed for reservation.

In the Magwe district a hilly tract to the north-east of *Natmauk* was examined, but owing to the poorness of the soil and small size of the cutch it was decided not to be worth reserving. It is believed that all that is worth reserving in the Magwe district has now been taken up.

2.—*Forest Settlements.*

Areas under settlement.

8. The following statement shows the areas under settlement or awaiting final notification as reserved forests at the close of the year:—

Division.	District.	Name of forests.	Notified before 1894-95.	Notified during 1894-95.	Total of each division.	Number and date of notification.
			Sq. miles.	Sq. miles.	Sq. miles.	
Upper Chindwin.	Katha	Nansi	17	...	500	144, dated 10th April 1894.
		Nansaung ...	10	...		
	Upper Chindwin and Katha.	Mode	46	...		
		Nangadin ...	70	...		142, dated 10th April 1894.
		Namlin ...	10	...		
		Nantaingwin ...	92	...		
	Upper Chindwin.	Nankobin ...	...	18		847, dated 10th September 1894.
		Nankut ...	...	19		
		Thawun ...	...	88		400, dated 27th October 1894.
		Uyu	...	120		26, dated 23rd January 1895.
		Wesalun Wesalaung	...	65		103, dated 10th May 1895.

Division.	District.	Name of forests.	Notified before 1894-95.	Notified during 1894-95	Total of each division	Number and date of notification.
			Sq. miles.	Sq. miles.	Sq. miles.	
Lower Chindwin.	Upper Chindwin.	Bon (*a*) ...	114	...	209	222, dated 11th December 1890.
		Nwa	68	...		495, dated 14th December 1893.
	Lower Chindwin.	Sindon	27	...		162, dated 24th April 1894.
Yaw ...	Pakôkku	Kyauksit (*a*) ...	172	...	756	274, dated 25th November 1891.
		Hnaw	...	8		416, dated 1st November 1894.
		Dandi	...	4		
		Kyi	...	4		
		Peinne	...	9		
		Myittha ...	...	50		51, dated 13th February 1895.
		Zahaw	...	120		
		Thongyauk ...	...	17		53, dated 14th February 1895.
		Mozo	...	31		
		Myintha ...	.	20		
		To	...	65		
		Nanka Taungwun ...	...	255		
Minbu	Minbu ...	Thanat chaung ..	8	...	187	148, dated 10th April 1894.
	Magwe	Kyaukmigyaung ...	28	...		240, dated 13th October 1891.
		Kinmuntaung ...	49	..		
		Yinmale ...	17	...		
		Ngamin chaung ...	85	...		
		Total ...	813	839	1,652	

(*a*) Settlement enquiry made in 1893-94.

Areas enquired into by Forest Settlement Officers.

9. The enquiry into the following areas, aggregating 597 square miles, was completed and the settlement proceedings are either before Government or in the course of transmission :—

Division.	Forest.	Sq. miles.	Forest Settlement Officer.
Upper Chindwin	Nanai	17	Mr D Wilson, Deputy Commissioner
	Nanzaung	10	
	Modo	45	
	Nangadin	70	
	Namlin	16	
	Nantalingwin	99	
	Nakobin	18	
	Naukut	19	
	Thawun	38	Subdivisional Officer, Legayaing.
Lower Chindwin	Nwa	68	Deputy Commissioner, Upper Chindwin.
	Sindon	27	Mr Barry, Subdivisional Officer, Western Subdivision, Lower Chindwin
Minbu ...	Thanat chaung	8	Subdivisional Officer, Salin
	Kyaukmigyaung	28	Mr D. Wilson, Deputy Commissioner
	Kinmuntaung	49	
	Yinmale	17	
	Ngamin chaung	85	
	Total ...	597	

to which must be added the Kanti reserve, 40 square miles, settled by the Subdivisional Officer, Pinlèbu, and finally notified in the Notification No 144, dated the 29th April 1895.

The total area into which the settlement enquiry was made was therefore 637 square miles, leaving a balance of 769 square miles to be settled.

The expenditure on forest settlements during the year was Rs. 9,970, the bulk of which was on account of the pay and allowances of the special Forest Settlement Officer, Mr. D. Wilson, Deputy Commissioner.

10. The settlement proceedings in the case of the Bôn reserve, the enquiry into which was conducted by Lieutenant Obbard in 1893-94, was referred back to the Commissioner owing to, what is considered by the Conservator, a quite unnecessary exclusion by the Forest Settlement Officer of good teak forest. The Conservator discovered on enquiry on the spot that the orders of the former Settlement Officer, Mr. C. E. Browne, whose proceedings were lost, were still extant and that the right-holders were quite satisfied with them. These orders gave the right-holders moderate privileges in the forest without the drastic measure proposed by Lieutenant Obbard. The Conservator therefore proposed to the Commissioner that the orders of the original Forest Settlement Officer should be adopted as the basis of the final settlement.

The other four forests settled by Lieutenant Obbard in 1893-94, namely, Kyaukka, Labin, Tan, and Wayè in the Kale-Kabaw subdivision, were finally notified during the year, but neither they nor the Kanti reserve find a place amongst the reserved forests in Form 46 for the reason that the dates from which they become reserves, according to the notification, fall within the forest year of 1895-96. Owing to the delay in submission of the Forest Settlement Officer's proceedings, the Kyauksit forest in Pakôkku district, settled by Mr. Fleming in 1893-94, has not yet been notified as a reserve.

Reserve proposals in course of preparation.

11. Particulars have been collected regarding the following forests with a view to their being proposed as reserves :—

Division.	Forest	Sq. miles.
Upper Chindwin ...	... An extension on the south-east of Uyu proposed reserve.	50
Lower Chindwin ...	... Patolôn extension	72
	Thinkadôn	60
	Yenge	30
	Sihaung	30
	Napha, Yebyauk, Mesali, Pahauk, Sinywa	47
Minbu ...	... Dayu-Thinbe	20
	Sidôktaya	130
	Total ...	439

3.—*Demarcation.*

Demarcation, general.

12. The amount of work turned out was very satisfactory, the total length demarcated having been 320 miles, not including 12 miles which had to be altered and are shown in Form 48 under the head of Repairs. The total length demarcated up to date is 612 miles, leaving 128 miles still to be demarcated.

The total cost including charges for surveying and mapping the boundary and of iron tablets (Rs. 233) was Rs. 4,066, being an average of Rs. 12-11-4 per mile as against Rs 13-7-11 per mile last year, but a portion of the cost of the tablets used during the year was paid in the previous year. To give each year its due share of the cost of tablets, about Rs. 280 should be added to the year under report and deducted from the previous year. This would make the average cost per mile in the year of report Rs. 13-9-4, but taking into consideration that 12 miles had to be altered, which was practically new work, the cost was about the same in both years.

Demarcation in Upper Chindwin.

13. Mr. C. W. Allan completed 7 miles of the *Kampat* reserve remaining over from last year at a cost of Rs. 183. He then proceeded with the *Yu* reserve, of which he did nearly 9 miles, when, shortly after joining from leave, Mr. Burn-Murdoch took over the work and rapidly completed the demarcation of *Yu* and *Ahlaw* reserves and the alteration of 7 miles of the boundary of the latter which had been done in the previous year and was found not to agree with the notified boundaries.

These two reserves cost Rs. 1,064 not including cost of tablets. The average cost of demarcation per mile was as follows :—

	Rs.	A.	P.
Yu reserve	... 8	15	1
Ahlaw reserve	... 16	4	0

It is reported that a good many of the boundary posts have been knocked down by elephants. However, they can be put up again by the foresters and guards. Most of the mounds were made of earth, stones not being available. The earth mounds were enclosed in rough bamboo baskets. Earth mounds sink in the rains and will have to be raised again the second year.

The posts were made of teak, pyinkado, thabye (*Eugenia jambolana*), taungthabye, (*Eugenia Grandis*), and Yedama (*Cedrela toona*). The latter is not sufficiently durable and should not be used in future.

Demarcation in Lower Chindwin division.

14. The late Mr. Aplin demarcated the *North Yama* reserve (56 miles) at a cost of Rs. 801 (not including cost of tablets), or Rs. 14-4-10 per mile, which was higher than last year owing to the large number of posts and mounds which had to be erected, a great portion of the boundary being contiguous to cultivated land. The total number of posts erected was 483 or 8·6 per mile. Stones were used for the mounds wherever they could be found.

The demarcation of *East Patolôn* was practically completed by Mr. Aplin. The line parallel to the Patolôn river south of Kuseik was not taken in hand because it is intended to take in the forest between the Patolôn and East Patolôn reserves, so that it will form one large reserve. The length demarcated was 15 miles; cost Rs. 389 (not including cost

of tablets); number of mounds 153; average cost per mile Rs. 25-14-11. Average number of posts per mile 10 2. The cost was thus comparatively heavy, which is not explained, but was probably owing to the long distances the workmen had to go to their work and the hot weather, both causes resulting in a short day's work. The majority of posts are of teak; where teak could not be readily got, Ingyin, pyinkado and thitya were used.

Demarcation in Yaw division.

15. The total length of boundaries remaining to be demarcated in the Yaw division at the close of last year was estimated to be 77 miles, but the actual measurements of boundaries demarcated this year proves this estimate to be considerably below the real length. The estimate has therefore been revised for all forests not yet demarcated.

On the western and southern boundaries of *Pindaung* reserve 36 miles, 48 chains were demarcated in the usual way, 394 posts being erected. The cost was Rs. 291-10-0, or nearly Rs. 8 per mile, the number of posts being 10 7 per mile. About 2¼ miles on the southern boundary remain to be done.

On the eastern boundary of the *Kyaw* reserve 1 mile, 56 chains were demarcated round the village lands of Yebyu and 15 posts were erected at a cost of Rs. 12.

In the Gangaw subdivision the boundaries of enclosures in the *Kunze* reserve were demarcated. These consisted of the village lands of Kunze in the south and those of Chaungzôn in the northern portion of the reserve. A small length of boundary was also demarcated on either side of the footpaths from Kunze to Pôn and from Chaungzôn to Tan-zale. The total length demarcated was 26¼ miles at a cost of Rs. 225-8-0, or about Rs. 8-8-0 per mile. A considerable portion of the western boundary is naturally demarcated and will only require blazing.

An exclusion on the north-western corner of the *Laungdaung* reserve, namely, the lands of the villages of Lema and Byitma, were demarcated by a line 7 miles, 72 chains in length, the cost being Rs. 97-10-0.

The western boundary of Laungdaung reserve is for the most part indicated by well-marked natural features; here it only requires blazing. It is also intended to propose a large portion of the adjoining drainage of the Mè chaung for reservation, so that a part of the above boundary will become an intra-reserve line.

The demarcation work in the Yaw division averaged only Rs. 8-9-0 per mile.

Demarcation in the Minbu division.

16. In the Minbu district the following demarcation work was done. The cost does not include the value of iron tablets:—

	Length of boundary.	Number of posts.	Cost. Rs.
Tôkto reserve	10	67	70
Pungchaung reserve	19	167	148
Nwamadaung reserve	33(*a*)	245	281(*b*)
Pazu chaung reserve	20	159	72
Paid for last year's demarcation	..	...	201

In accordance with the Chief Commissioner's orders the four taungya areas in the Môn west reserve have been roughly demarcated (7 miles) by 35 posts erected at the principal points, the trees between having been blazed and stamped with the Government "free" hammer. This work cost Rs 28 erroneously charged under A-VIII. *e*. Rupees 12 were spent on re-blazing the boundary, 18 miles, of the Môn west reserve between Kondaya and Dwè.

4.—Surveys.

Surveys and maps

17. A satisfactory amount of work was effected. The whole length of line demarcated, namely, 332 miles, including 12 miles altered and 414 square miles of protected forest which are to be proposed for reservation, were surveyed, the greater part of which were mapped during the year.

The work was done by Forest Officers or native surveyors under their orders. It does not pretend to strict accuracy, but the resulting maps give a great deal of information and will be very useful, especially when sufficient data have been collected to fill in interior details to the boundary surveys.

Lithographed maps of the following forests were printed locally during the year in connection with reserve proposals:—

Division.	Forest.	Scale.	Sq. miles.
Upper Chindwin	Nankut ..	1"=1 mile ...	... 19
	Nankobin ...	do. ...	... 18
	Thawun	do. ...	.. 88
	Uyu	do. ..	... 120
	Wesalun-Wesalaung	2"=1 mile. ...	... 65

(*a*) Of this, 5 miles demarcated last year was badly done and had to be re-done (shown in Form 48 as repaired).

(*b*) Rupees. 41 not paid at the close of the year.

Division.	Forest.	Scale.	Sq. miles.
Yaw ...	Hnaw ..	... 2″=1 mile ...	... 3
	Dandi ...	... do. ...	... 4
	Kyi ...	... do. ...	... 4
	Peinne ...	... 1″=1 mile ...	... 9
	Nanka-Taungwun	... 1″=1½ miles ...	... 255
	To ...	... do. ...	... 65
	Myintha	... do. ...	... 20
	Moso ...	... do. ...	... 31
	Thongyauk	... do. ...	... 17
	Zahaw ...	... 1″=1 mile ...	... 120
	Myittha ..	... do. ...	... 50
		Total	... 889

Surveys in Upper Chindwin division.

18. The *Wesalun-Wesalaung* proposed reserve, 65 square miles, was surveyed with interior details involving 74 miles of linear survey. The cost was Rs. 117, besides which 99 linear miles of demarcated boundary, including 7 miles of line that had to be altered, were traversed. The cost of the latter work was included in demarcation.

Surveys in Lower Chindwin division.

19. The following areas were surveyed and mapped with interior details:—

	Sq. miles.
Thinkodon forest ..	... 66
Kanni	... 129
Sihaung	... 27
Yenge	... 50
Masali }	
Pahauk }	... 47
Sinywa and Napha }	
Total	... 319

The work involved 802 miles of traverses and cost Rs. 1,891 or Rs. 4-10-0 per mile. The bulk of it was done by native surveyors and appears to be on the whole satisfactory. Maps have been made from this work. Traverses were made over the portions of the boundary demarcated, namely—

	Miles.
In North Yama	... 56
In East Patolôn	... 15
Total	... 71

the cost of which is included under Demarcation.

Surveys in Yaw division.

20. Work was confined to traversing the portions of reserve boundary demarcated, 73 miles in length: Rs. 243 were spent on surveys, of which Rs. 232 were charged to VIII. *c* and Rs. 11 (erroneously) to VIII *d*.

Surveys in Minbu division.

21. The portions of reserve boundaries demarcated were traversed, including a length of 5 miles, which had to be demarcated afresh. Some interior details were surveyed in an area of 30 square miles, by which, with the help of previously existing data, a map on the 1-inch scale has been drawn.

The whole of the cost of surveys, namely, Rs. 201, was charged to VIII.*c*.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—Regulation of management.

(*a*) *Working plans and their control.*

Existing information about the forests.

22. A careful examination of the existing information in regard to the stock of teak in the forests of the circle, with a view to making a rough forecast of the possible yield in the immediate future, has shown that that information is very scanty and that it is imperative that the preparation of working-plans should be systematically taken in hand as early as possible, *i e.*, when it is possible to tell off one or more officers to take the work in hand. It is no reflection on the past administration that the existing information should be so scanty, for the staff has been fully engaged in girdling, exploration, setting off areas for reservation, settlement, demarcation, &c., and the progress has been very good, taking into consideration the small number of officers and the want of

intelligent subordinates. Even now a good deal of initial organization remains to be done and the preparation of the much-needed working-plans must be slow unless the staff is increased.

Valuation surveys.

23. Valuation surveys were made over 1,466 acres, a great decrease from last year, which was due to officers' time having been taken up on other works, especially demarcation. The above area was distributed as follows:—

	Acres.
Upper Chindwin	144
Lower Chindwin	1,052
Minbu	270
Total ...	1,466

The cost, including chain and compass survey, was Rs. 386 charged under A-VIII.*d* in the Lower Chindwin division. The cost in the Upper Chindwin and Minbu divisions is included in "Surveys" A-VIII.*c*.

In Upper Chindwin division.

24. In the Upper Chindwin Mr. Bruce made a valuation survey over 40 acres on the Chingin chaung, a feeder of the Nankamu, and 26 acres on the Namawleik chaung. Mr. Burn-Murdoch made two surveys, aggregating 78 acres, in the drainage of the Wesalaung.

In Lower Chindwin division.

25. In Lower Chindwin Mr. Aplin surveyed 210 acres in the Thinkadôn proposed reserve

Mr. Thompson surveyed—

	Acres.
In the Mezali	800
In the Pahauk	
In the Sinywa	
In the Napha	
In the Yenge	42

In Yaw division.

26. In the Yaw division no valuation surveys were made. It is true that a good deal of time was taken up in demarcation, but it is to be regretted that no valuation surveys were made whilst girdling was going on, as such surveys are a good check on the girdling, as well as affording information in regard to the stock.

In Minbu division.

27. In Minbu the following areas were enumerated—

By Mr. McHarg, in the Dayu-Thinbè proposed reserve, 90 acres.

By Mr. Smales, in the Satkyo forest, north-east of Natmauk, 180 acres.

Rough working-plans for cutch forests.

28. It is found that the practice of allowing cutch-boilers to cut any cutch trees over a certain girth within reach of their camps leads to most wasteful felling and a complete clearing out of the trees over that girth, and that such a system must result in the impoverishment of the forest. Rough plans of working were therefore drawn up for the cutch forests of the Myittha valley, the portion of that valley in the Mingin subdivision, Lower Chindwin division, forming one working circle and the portion in Gangaw subdivision, Yaw division, forming another.

The basis of the scheme is the assumption that it takes on the average 15 years for a tree of 2 feet 6 inches girth to attain a girth 3 feet 6 inches, which is based on calculations from rough countings made by Mr. H. N. Thompson.

Each circle is divided into five blocks as nearly as may be of equal cutch production. In each year one-third of the trees over 3½ feet girth in one block are to be marked for felling; thus one-fifteenth of the mature stock will be taken yearly, which, if the above assumption proves correct, will be made good from the second class.

(*b*) *Annual plans of operations.*

Deviations from sanctioned plans.

29. These were worked up to with some variations.

Upper Chindwin division.—The plan was slightly altered, it being found necessary to have Mr. C. W. Allan at headquarters or not far off. The demarcation of the Yu and Ahlaw reserves was therefore entrusted to Mr. Burn-Murdoch. He was engaged on this, the survey of Wesalun-Wesalaung forest, and the settlement of Thawun reserve till late in the season, and the exploration and survey of Kauksa and Kodan forests had to be put off.

Mr. Bruce, the Divisional Officer, was fully engaged on marking trees in Thaungdut, settlement work, and general supervision.

Mr. Allan, after commencing the demarcation work, came to headquarters and, besides looking after the Divisional office, fire-traced the road to Minthami, traversing the Kindat and Yu reserves.

Lower Chindwin division.—The late Mr. Aplin had a very full programme which he completed, except the inspection of and report on the demarcation of Taungdwin reserve.

Mr. Thompson had also a full programme, and had besides to attend the Forest Settlement Officer during his enquiry into the Nwa proposed reserve and to mark cutch trees, for felling in the Lower Myittha. These duties prevented him from doing the demarcation of the Matu reserve.

Yaw division.—Girdling of teak trees to yield 1,998 tons was to be done, but only sufficient trees for 1,148 tons were found.

The settlement of forests preliminarily notified was not done, apparently because the officers appointed as Forest Settlement Officers could not spare the time.

Minbu division.—The programme was adhered to with some unimportant variations.

II.—Working of the year.

(*a*) *Communications and buildings.*

Expenditure incurred.

30. The expenditure on roads and buildings was distributed as follows :—

	Roads.	Buildings.	Other works.	Total.
		Rs.	Rs.	Rs.
New works	5	8,175	582	8,762
Repairs	47	762	293	1,102
GRAND TOTAL ...	52	8,937	875	9,864

In Upper Chindwin.

31. In the Upper Chindwin a new house and office combined was built at Paungbyin for the Subdivisional Officer at a cost of Rs. 4,073. Also three rest-houses were built on the Kindat-Minthami road. A house for the revenue collector was built at the new revenue station of Kya-in at a cost of Rs. 400. Rupees 421-8-0, being the balance due for building the Kindat house and office, was paid during the year.

On repairs an aggregate sum of Rs. 334 was spent.

In Lower Chindwin division.

32. In Lower Chindwin division no new works were undertaken. A sum of Rs. 162 was spent on repairs.

Improvement of floating streams.

33. The following table furnished by the Agent of the Bombay Burma Trading Corporation, Limited, at Mingin shows the amount of blasting and clearing of streams done by them during the year :—

Main stream.	Tributary.	Amount of dynamite expended.	Detonators expended.	Fuses expended.	Approximate cost.
		Cwt.	No.	Feet.	Rs. A. P.
Paluawa	.....	...	...	...	13 4 0
Myittha	.....	...	...	...	67 8 0
Labin	.....	...	...	...	103 4 0
Taungdwin	Kyit	...	...	...	60 0 0
Patolon ...	Wagu	...	...	...	27 0 0
	Tat	...	...	...	27 0 0
	Siyin	...	...	...	18 0 0
	Main stream	...	...	...	38 10 0
	Thinkadon	...	...	...	240 5 0
.....	Lawat	...	...	...	48 8 0
.....	Wahbo	...	...	...	146 0 0
.....	Shoke Htwe	...	...	...	97 5 0
.....		...	...	...	46 0 0
	Total ...	11	1,700	2,500	914 9 0

In Yaw division.

34. In the Yaw division the porch of the Divisional Officer's bungalow was enclosed by a masonry wall at a cost of Rs. 662; at the same time the plank walls of the office were replaced by masonry.

A rest-house was built at Man for Rs. 171 and another at Wabin for Rs. 172. Repairs cost Rs. 218.

In Minbu division.

35. In Minbu division the Minbu office was improved by ceiling it and adding a bath-room at a cost of Rs. 439, not including the value of the timber in the log.

The improvement of the Taungdwingyi house was commenced during the year, a work rendered necessary owing to municipal byelaws.

Repairs cost Rs. 48.

(b) *Protection of Forests from injury.*

1.—*General protection and breaches of Forest Law.*

Cases reported and before the Courts.

36. Six cases remained pending at the close of last year; 244 new cases were reported; of this total 215 were disposed of and there were 34 pending at the close of the year.

The number of new cases was 95 more than in the previous year, which was partly due to the large number of illicit cutch-boiling cases in the Yaw and Minbu divisions and partly to increased efficiency in the protective staff.

The number of cases disposed of by the Courts was 111, of which convictions were obtained in 76 or 68 per cent. This low percentage was due to the *bobabaing* plea being set up by persons accused of illicit cutch-boiling, a plea said to be often allowed by Magistrates on insufficient evidence. The large number of cases pending is due to such cases being referred to the Collector to decide if the land on which the cutch was cut is *bobabaing* or not.

The three cases of "Other offences" brought before the Courts were as follows:—

Lower Chindwin, one case, personating a Forest Officer ...	Acquitted.
Yaw, one case, marking standing trees .	Fined Rs. 5
Minbu, one case, transferring cutch license ...	Fined Rs. 20 each

Cases compounded.

37. The 104 cases compounded under section 62 of Forest Regulation are classified as follows:—

	Case.
Unauthorized felling	92
Marking standing trees	1
Evading payment of duty	10
Using sawpit without license	1
Total ..	104

The total amount of compensation, namely, Rs. 3,392, included Rs. 2,000, being the bond amounts recovered from two cutch licensees for breach of the conditions of their licenses.

Forest offences in Upper Chindwin.

38. In the Upper Chindwin division there was a falling off in the number of cases of 4 as compared with last year. It is noticed that some of the punishments were very light; for instance, a man who cut 99 green teak trees in a "ya" was only fined Rs. 10, and another person who defaced hammer-marks on a drift log and appropriated it was punished with Rs. 50 fine and a month's simple imprisonment, or in default of payment an extra month's simple imprisonment. Both offences are of a kind difficult of detection and when detected ought to be adequately punished.

Forest offences in Lower Chindwin.

39. In the Lower Chindwin division the number of cases more than doubled, which was due to the greater efficiency of the protective staff. The total number of cases dealt with was 82, of which 57 were compounded and 25 taken into Court. Of the latter 20 resulted in convictions, four in acquittals, and one was pending at the close of the year. The percentage of convictions was thus 80.

Forest offences in Yaw division.

40. In the Yaw division there were 66 new cases, not counting one undetected, as against 47 last year, the increase being due to cutch cases as, for the first time, people in Pakôkku district commenced the practice of boiling cutch on what they allege to be *bobabaing* land. Of the 66 new cases, involving 302 persons, 51 involving 268 persons were taken into Courts and convictions obtained in 42 and 210 persons punished; 9 cases were acquitted. Thus convictions were obtained in 82 per cent of cases disposed of by Courts. Besides the illicit cutting of cutch by persons setting up the *bobabaing* plea, our own licensees in several cases broke the rules, and in two cases the bond amount, namely, Rs. 1,000, was recovered.

The undetected cases was one of removing the number tablets from some of the boundary posts of the Pindaung reserve on a distance of about half a mile, where the boundary runs alongside the public road.

Forest offences in Minbu division.

41. In the Minbu division, of the 63 cases taken to the Courts, 11 were convicted, 22 acquitted, and 30 were pending, the latter being cases referred to the Collector to decide on the claim to *bobabaing*. The large number of acquittals is due to the difficulty of proving that the land on which the cutch is cut is State land. Several of the cases appear to have been acquitted on insufficient grounds: for instance, two cases were acquitted on the sole plea of the accused that the land was *bobabaing* without an enquiry into the truth of their claim. In

another case the Magistrate over-ruled the bobabaing plea, but acquitted the accused because they pleaded they were working as coolies for other parties. In other cases the bobabaing plea seems to have been admitted on insufficient grounds.

Illicit boiling of cutch.

42. The boiling of cutch on so-called *bobabaing* increased considerably during the year and there is no doubt that much of this so-called bobabaing cutch came from State land. Truly everything is in favour of the cutch thief: he has a fair chance of not being brought up at all, then in Magwe a 2 to 1 chance of being acquitted, and, thirdly, the few that are convicted are punished with small fines, which is nothing in comparison with the gains they make.

Revised rules for the protection of Government interests in cutch.

43. The rules for the protection of cutch trees mentioned in paragraph 37 of last year's report as being before the Chief Commissioner were dealt with.

(1) The higher penalties prescribed in section 35 of the Forest Regulation were made applicable to offences connected with cutch trees.

(2) It was made obligatory to take out a pass for the removal of cutch.

(3) Thugyis were ordered to report cutch camps in their circles.

These measures, though good in their way, do not effectually prevent illicit cutch-boiling. Perhaps the most effectual way would be to prohibit the boiling of cutch on private land till the settlement has determined what is private land and what is not, a measure which would be quite justifiable seeing that the value of cutch has only recently been realized by people in Upper Burma, and that on discovering it they have universally abused their rights.

Section 24 of the Land Revenue Regulation might also be used in many cases to prevent encroachments, and it is understood that the Commissioner, Southern Division, has taken measures to work this section systematically.

It is not, it may be observed, only the value of cutch which Government is losing, although that is considerable, the exports this year from this circle having been 2,145,824 viss worth Rs 11,00,000, but the people are now claiming as private land large tracts which they never dreamed of doing before, claims which, if not upset, will give much trouble hereafter.

2.—Protection from fire.

Protection from fire. General remarks.

44. The protection of the forests from fire must at first be attempted in this circle more by general policy than by special protective works, namely, by inducing travellers to put up at fixed halting-places when passing through forests and by persuading right-holders to take every care themselves in regard to fire and to assist in putting out fires. As regards protection by fire-tracing roads through forests, the experiment in the Kindat and Yu reserves noticed hereunder may be extended to other much-used roads in other reserves. The area attempted to protect was 216,320 acres, of which 205,440 acres escaped fire. The cost of operation was Rs. 845.

Protection from fire in the Upper Chindwin.

45. In the Upper Chindwin division the road from Kindat to Minthami, which passes through the Kindat and Yu reserves, and is in fact almost the only road through these forests, was fire-traced and zayats were built at three suitable places at which travellers would halt. The result was entirely successful, but the season was favourable to protection in these forests, so we must not be too sanguine as to future results. The Divisional Officer reports that the forests in the drainage of the Uyu are not so liable to fire as those to the west of the Chindwin. The latter are very valuable teak forests, indeed some of the best in the circle, so that their protection is of great importance. Those on the Uyu, containing, as they do, a considerable proportion of evergreen, do not suffer from fire to the same extent, and the occasional fires do not cause so much harm as in drier forests.

No protective measures in Lower Chindwin and Yaw.

46. No special protective measures were undertaken in the Lower Chindwin and Yaw divisions.

Protection from fire in Minbu.

47. In Minbu division the Tichaungwa reserve was fire-traced, but fire entered the forest before the lines were completely burnt and a large portion of it was burnt. Later a second fire took place in the portion near the village of Kwemalaung, the inhabitants of which have grazing rights in the forest. A regretable feature of the case was that the villagers refused to turn out to extinguish the fire when called on to do so. The poor result of protection in this forest was due partly to inexperience of the establishment and partly no doubt to lack of sympathy on the part of the people residing near the forest.

Immunity from fire owing to special causes.

48. Mr. Thompson observes that the Moyan (*Strobilanthes rufescens*), when growing in masses, arrests fire, but usually only temporarily, for the fire as a rule creeps round such obstacles. He also writes "at the headwaters of the Pahauk stream in the Myittha "valley, in places where extensive landslips had formerly occurred, magnificent forests of

"pure cutch have grown up to the exclusion of other species In such places forest fires "make little progress and do very little harm to young growth"

The reason of this is doubtless the exclusion of undergrowth by the cover of cutch and the small quantity of inflammable substance afforded by the minute leaves of the cutch tree.

3.—Regulation of grazing and protection from cattle.

Areas opened and closed to grazing

49. Of the total area of reserved forest (2,011 square miles), 1,938 square miles are closed to grazing, 47 square miles are open to grazing for a part of the year, and 26 square miles are open to all animals for the whole year, but of this 2 square miles are closed to goats. No sheep and very few goats are reared by Burmans in this circle The whole of the protected forests are open to grazing, but practically they are nowhere heavily grazed

In the settlement of the East Patolôn reserve the number of cattle which the Taungbawleywa villagers may graze is not recorded In Form 55 the number stated at the settlement enquiry to be in their possession has been entered.

(*c*) *Improvement of forest growth.*

1.—Natural reproduction

Reproduction of teak, &c, generally

50. Teak reproduction is generally poor in the forests of the circle, owing principally to the density of the canopy Teak is generally associated with bamboos, the cover of which prevents the germination of teak-seed or soon suppresses seedlings that have germinated.

The reproduction of cutch is good wherever the canopy in cutch forests is fairly open or where temporary clearings are made

Reproduction in the Upper Chindwin

51 In the Upper Chindwin division teak reproduction in the forests west of the Chindwin is reported to have been fairly good No officer had an opportunity of carefully examining the forests on that side during the year, but there seems little doubt that reproduction is better in them than in the forests of the Uyu drainage to the east of the Chindwin, where the canopy is as a rule much denser, being composed largely of evergreen species interspersed with patches of bamboo on the sites of old taungyas It is intended here to introduce the Lower Burma teak taungya system, and provisions have been made in the settlements with this object in view

Reproduction in the Lower Chindwin

52. In the Lower Chindwin division teak reproduction during the year was generally poor, and it may be observed that on the whole there is a great deficiency in the younger classes An interesting fact was noticed by Mr Thompson in the forests of the Hailok chaung, west of Indin on the Myittha valley Here he noticed that the teak seeds were still on the trees in the early part of June, so that they had escaped burning in the fires which passed through the forest in March and April He found the reproduction of cutch always good where cutch is associated with leaf-shedding species *Tinwa* (*Cephalostachyum pergracile*) flowered sporadically, as did also the *Myinwa* (*Dendrocalamus strictus*) Pyinkado flowered generally As regards this tree, the late Mr Aplin discovered that the fruit remains two full years on the tree, a fact that appears to have been hitherto overlooked The fruits remain green till two or three months before shedding and resemble the leaves, so that they are not easily seen from the ground

Reproduction in Yaw

53. In the Yaw division, in the Yaw forests proper reproduction of teak, padauk, and pyinkado is reported to be bad, not owing to want of seed, but to the unfavourable condition of the surface soil, which is stated to be hard, dry, and sun-baked The seed lies on the surface and is burnt in the annual fires

In the forests of the Mè chaung, a feeder of the Myittha, some patches of young teak were noticed along the path to Tazan and a good many young seedlings

The reproduction of cutch in this division is generally good, but trees of the sapling stage are scarce In the *yas* cutch often comes up thickly In the Man reserve the flowering of bamboos some five are six years ago has been favourable to the development of the young cutch plants, which have now got a good start of the bamboos

Reproduction in Minbu

54 In the Minbu division the reproduction of teak was poor, and it was a poor seed year Seedlings were observed in a few areas in the Kyaukmigyaung and Yabè reserves

Cutch reproduction was good as usual, but seedlings suffered from jungle fires This is apparently at variance with Mr Thompson's observations in the Myittha valley, but he spoke of nearly pure cutch forest with dense cover probably The forests here spoken of

are probably mixed with large-leaved species, where the more abundant leaf deposit and herbaceous undergrowth would feed the fires.

2.—Artificial reproduction.

Cutch plantations.

55. The only operations of this nature undertaken are the cutch taungya plantations in Minbu district. Certain new areas were treated, aggregating 35 acres. Of the areas formerly planted 96 acres have been excluded as not being worth keeping up. The area planted now stands at 290 acres. The expenditure was Rs. 551 including Rs. 23 for demarcating certain taungya areas within the reserves, which should have been charged to Head VIII (*a*). For the plantations of 1894, Rs. 130 were paid for 13,000 plants, which is at the rate of 371 plants per acre. Rupees 204 were paid for plantations of former years. The plantations of 1892 are reported to be on the whole doing well, the plants averaging 15 feet high in some plantations. They are free from suppressing bamboos and creepers and are not much damaged by fire except those in the Pazu reserve, where grass has got in. Some of them, as at Natgyi, are damaged by cattle. Seventy-two licenses were given during the year to cut *yas* on the condition of their being planted with cutch. The *yas* here are cultivated two years and the cutch is sown in the second year. The Divisional Officer considers that this is probably an advantage, because by the second year's cultivation bamboos and jungle roots are more thoroughly eradicated.

4.—Other operations for the improvement of the growing stock.

Creeper-cutting.

56. Where girdling took place one man in each gang was told off to cut creepers. In the Lower Chindwin a sum of Rs. 60-8-0 was charged to this work. In Yaw the cost was not kept separate.

In the forests of the Uyu drainage *Ficus epiphytes* are common and do much harm to trees. It is a matter difficult to deal with, as the *epiphyte* cannot as a rule be destroyed without destroying its host.

5.—Experiments.

In the Minbu division.

57. Of the mahogany sown in the previous year in Minbu, 15 plants are alive and doing fairly well.

(d) Exploitation of major forest produce.

2.—Selection fellings.

Fellings included under this section.

58. The fellings included under this head are those of trees girdled by Government or previous to the annexation and that have died naturally.

Girdling in Upper Chindwin division.

59. In the Upper Chindwin no girdling was done, but 447 trees that had been previously girdled by the Bombay Trading Corporation, but not brought to account, were marked and made over to the Corporation.

Girdling in Lower Chindwin division.

60. In the Lower Chindwin division the following trees were girdled in about 77 square miles in feeders of the Myittha :—

Girth	6′	7′	8′	9′	10′	11′	12′ and upwards	Total girdled.
Number of trees	296	427	279	171	124	40	88	1,425

Somewhat less than one first class tree in four was selected, but the valuation surveys proved that even by this moderate selection we exceeded the yield, such as it would have been fixed by a working-plan, by about 20 per cent. owing to the small proportion of young trees in the growing stock. An examination of all the valuation surveys made in former years shows that the younger classes are deficient in number in nearly all the forests of the circle, and it is calculated that the total girdlings since 1887 represent the yield of at least 15 years.

Girdling in Yaw division.

61. In the Yaw division 682 trees, estimated to give 1,143 tons, were girdled in an area of about 20 square miles in the Kyi and Tè forests. The minimum girth was 6′ and maximum 17′, average 9′.

The selection was carried out on the old rule of one in three first class trees, it having been done before the conclusions had been arrived at as described in the last paragraph.

Teak has now been girdled throughout the forests of the Chindwin and Yaw drainage, with the exception of a few scattered areas of small extent.

Selection of cutch trees.

62. In accordance with the rough plans for the working of cutch forests in the Myittha valley, 989 trees were marked in the Yengè, Nwa, and Koko forests in the Lower Myittha. In the Upper Myittha the following trees were marked :—

Forest.	Green trees.	Dry trees.
Aung	506	.....
Kyi	653	.....
Daudi	1,305	.....
Bithni	3,093	5,855
Total ...	5,617	5,855

The minimum girth was 8 feet, the maximum 7 feet, and the average 5 feet. For the future it is decided to take 8 feet 6 inches as the minimum girth.

Trade and free licenses.

63. Trade licenses were issued for the extraction of the following teak (dead) and padauk trees :—

Division.	Trade teak trees.	Trade padauk trees.	Free teak trees.
Upper Chindwin	21—3,300	...	64— 810
Lower Chindwin	11—2,790	2—20	161—3,667
Yaw	29—1,445	7—12	55—1,087
Minbu	18—4,450	4—26	47—1,166

The number of free licenses for teak issued was considerably larger than in the previous year, but the number of trees granted was about the same and is more than half the number of teak trees for which trade licenses were given There was an increase in Lower Chindwin from 44 free licenses 2,888 trees to 161 licenses 3,667 trees. There is reason to think that the grant of free licenses for teak might be considerably reduced, seeing the large number of other good woods available for building.

Cutch fellings.

64. The number of licenses issued was 366 as against 749 in the previous year, *i.e.*, less than one-half. They were also given for only four months instead of six months, so that the number of trees cut under each license is also reduced.

The following shows the number of licenses given in each division and the estimated number of trees used :—

Division.	Licenses.	Trees.	
Lower Chindwin	87	5,220	at Rs. 60 per license.
Yaw	149	10,430	at Rs. 70 per license.
Minbu	130	13,000	at Rs. 100 per license.
Total ..	366	28,650	

Thus there were 28,650 trees used as against 78,860 in the previous year, or rather more than one-third. It must, however, be observed that this represents the number of trees used ; the distinction is made because on examining tracts where felling had been going on in the Myittha it was found that the licensees felled recklessly and did not use all the trees felled.

5.—Unregulated fellings.

Fellings included under this section.

65. These include trees felled under licenses which do not fix a minimum girth and are not previously marked for felling.

Unreserved timber.

The following licenses were given for felling unreserved trees :—

Division.	Licenses.	Trees.
Upper Chindwin	29	7,143
Lower Chindwin	89	61,348
Yaw	39	1,301
Minbu	66	29,580
Total ...	223	99,422

as against the previous year's total of 153 licenses 71,892 trees, showing a satisfactory increase during the year under report.

Firewood and charcoal.

66. The usual general firewood license was issued to the Flotilla Company.

The number of monthly licenses for the manufacture of charcoal issued compare as follows with the previous forest year :—

Division.	1894-95.	1893-94.
Upper Chindwin	...	112
Lower Chindwin	260	356
Yaw	671	801
Minbu	745	813

There was thus a decrease in all divisions, the cause of which is not explained, but it seems probable that some of the licensees continue to work under their old licenses after the period for which they are given.

Bamboos and canes.

67. The number of bamboos and canes extracted compares as follows with the extractions of the previous year :—

Division.	1894-95. Bamboos.	1894-95. Canes.	1893-94 Bamboos.	1893-94 Canes.
Upper Chindwin	4,120,647	5,077,225	4,418,594	5,404,779
Lower Chindwin	2,097,454	875,648	1,673,340	382,070
Yaw	112,330	4,000	84,416	4,000
Minbu	2,521,731	600	2,428,776	4,716
Total ...	8,852,242	6,457,673	8,555,127	5,745,515

showing a total increase under both heads in the year under report.

(e) *Extraction of major forest produce by land and water.*

Timber extracted by Government agency.

68. The following teak logs were worked out of the Taungdwingyi forests by Government agency :—

Accepted.	Rejected.	Total.
298	89	387

Rs. 2,616 were paid for their extraction. Of these 298 were sent to Rangoon for sale and the rest sold locally.

The following drift timber lapsed to Government and has been accounted for :—

Division.	Teak.		Other.		Tons.	
	Logs and posts.	Logs and planks.			Teak	Other.
Upper Chindwin ...	35	...	...		18	...
Lower Chindwin ...	231	29	23		93	10
Yaw	335	42	...		258	31
Minbu	59	2	...		67	1
Total ...	660	73	23		431	42

Of these 32 were sent to Rangoon for sale with the logs extracted by Government agency.

Timber removed by lessees.

69. The following table shows the timber extracted by Messrs. The Bombay Burma Trading Corporation, Limited, under their Chindwin and Yaw leases :—

Lease.	Forest division.	Full-sized.		Under-sized.		Total.	
		Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Chindwin ...	Upper Chindwin	9,830	12,970	1,870	1,936	11,700	14,906
	Lower Chindwin	7,125	9,461	2,551	1,626	9,676	11,087
	Yaw (Myittha)	2,496	3,568	827	549	3,323	4,117
	Total Chindwin ...	19,451	25,999	5,248	3,381	24,709	29,380
Yaw ...	Yaw	300	357	287	187	587	544
	Grand Total ...	19,751	26,356	5,545	3,568	25,296	29,924

The outturn from the Chindwin forests was the lowest since 1890 and was less than that of the previous year by 17,888 tons. The extractions from the forests included in the Yaw lease were short of the minimum (1,200 tons) which the Corporation are bound by their agreement to bring out yearly. Payment of the fine for the shortage has been enforced.

70. The distribution of the 24,709 logs from the Chindwin forests was as follows :—

Upper Chindwin ...	Mawleikgyi, Mawkor, Yu, Uyu, Kodan, Sanda, Nankadin, Chaunggyi, Nanzaga, Nanlaingwin, and Naukut ...	11,700(a)
Lower Chindwin ...	North Yama	682
	Thinkadôn	183
	Patolôn	2,085
	Taungdwin	3,156
	Nanzaleini	38
	Palnswa	704
	Nantobin	320
	Labin	215
	Myittha	2,868
Yaw	Myittha	3,333
	Total ...	24,814

The excess number of logs (105) shown as having come out of the Lower Chindwin forests are probably logs that came out in the previous year and were measured in the year of report.

Timber and fuel extracted under licenses or brought to revenue stations.

71. The following table shows the timber and fuel extracted under licenses that reached revenue stations during the year, in tons, compared with the results of the previous year :—

Division.	Teak.	Other reserved wood.	Unreserved wood.	Firewood and charcoal.
Upper Chindwin	739	...	1,905	327
Lower Chindwin	427	18	5,347	1,403
Yaw	279	18	263	5,207
Minbu	730	5	1,585	2,256
Total 1894-95 ...	2,975	41	9,250	7,653
Total 1893-94 ...	1,944	54	7,907	8,388

(a) After the Report went to press the following detailed figures of the outturn of the Upper Chindwin forests were supplied :—

	Logs.
Nankamu	1,373
Mawleikgyi	942
Mawku	3,009
Yu	5,019
Uyu	2,084
Sanda	536
Other creeks	1,014
Total ...	13,970

The total differs from the quantity measured by over 2,000 logs, which is probably due to timber kept back at Uma, &c., and not brought to depôt for measurement.

Drift timber operations.

72. The salving operations as regards timber made over to claimants were as follows :—

Division	Logs. Teak.	Logs. Other.	Tons. Teak.	Tons. Other.
Upper Chindwin	13	...	13	...
Lower Chindwin	208	...	81	...
Yaw	756	2	1,050	1
Minbu . ..	600	...	539	...
Total ...	1,571	2	1,682	1

as compared with 2,794 logs, 3,200 tons in the previous year.

Ten teak logs were stolen from the Lower Chindwin division, but were subsequently recovered and sent to Yaw division. Only two teak logs and one log of other kinds drifted away during the year.

Extractions by free grantees.

73. The estimated quantity of timber extracted on free grants was as follows :—

Division.	Teak Tons	Other woods. Tons.
Upper Chindwin	555	134
Lower Chindwin	1,100	...
Yaw	150	.
Minbu	760	...
Total ...	2,565	134

It will thus be seen that the quantity of teak given free was more than that extracted on trade licenses.

Exports to Lower Burma.

74. Besides lessees and Government timber 8 tons of converted teak timber and 200 teak oars were exported to Lower Burma.

(*f*).—*Exploitation of minor forest produce.*

(*1*).—*Extraction of Fodder and 2.—Grazing.*

Grazing privileges.

75. No fodder was extracted, nor did any cattle graze in the forests on payment of fees.

In addition to the number of right-holders' cattle permitted to graze in the reserves (3,676) as shown in paragraph 65 of the report for 1893-94, the following rights were given in the East Patolôn forest, which was gazetted as a reserve during the year :—

To graze 300 head for seven months of the year and an undetermined number belonging to the villagers of Taungbawlèywa for the whole year, the present number being stated at the settlement to be 40. Thus the total number of cattle permitted to graze in reserves is 3,976 *plus* the Taungbawlèywa cattle.

3.—*Miscellaneous produce.*

Estimated quantity of miscellaneous produce extracted.

76. The following table shows the number of licenses issued and estimated quantity of miscellaneous produce extracted compared with the previous year :—

Produce.	Upper Chindwin. Licenses.	Upper Chindwin. Viss.	Lower Chindwin. Licenses.	Lower Chindwin. Viss.	Yaw. Licenses.	Yaw. Viss.	Minbu. Licenses.	Minbu. Viss.	Total estimated (viss).
1894-95.									
India-rubber ...	2	3,499	...	...	...	...	1	488	3,987
Cutch (2,000 per cauldron).	...	...	87	174,000	149	299,856	130	260,536	734,392
Thitsi	...	333	15	15,400	22	2,200	62	6,200	24,133
Shaw fibre	14	3,394	43	4,300	13	1,300	24	2,400	11,394
Honey and wax ...	...	3,621	14	140	1	10	2	20	3,791
Wood-oil	...	4,405	32	3,975	133	13,300	28	2,800	24,570
Barks	...	...	79	7,925	469	46,900	17	1,700	56,525
Miscellaneous ...	...	77	23	2,800	37	3,700	18	1,800	7,377
Total ...	(*a*)16	15,419	293	208,040	824	367,266	282	275,894	866,619
1893-94.									
India-rubber ...	2	4,907	..	...	...	...	...	...	4,907
Cutch (2,500 per cauldron).	...	...	131	327,500	314	785,000	304	760,050	1,873,150
Other	262	14,762	479	47,900	558	57,400	161	16,000	136,062
Total ...	264	19,669	610	375,400	872	842,400	465	776,650	2,014,119

(*a*) Nearly all the minor forest produce in Upper Chindwin pays duty at Kindat revenue station and is not collected on licenses. Last year, for purposes of comparison, an estimated number of licenses was entered in this statement.

India-rubber.

The extraction of rubber decreased by nearly 1,000 viss owing to the distrust traders have of trading in that produce since one of them was raided by Kachins in the previous year. Also some rubber bought by one of the licensees from Chins at Tinzin in the Kabaw valley was claimed by a Manipuri licensee as coming from Manipur territory. He obtained an injunction to detain the rubber in Rangoon, which has however since been removed. This action is likely to still further depress the trade.

Cutch.

77. The number of cutch licenses issued was further reduced from 749 to 366, all of which were sold by auction or tender, and the period for which the license was given was reduced from six months to four months. The outturn based partly on experiments carried out by Forest Officers during the year may be put at 2,000 viss for the season of four months. It is calculated that on the average 80 cutch trees are used per cauldron, and as the average price paid per cauldron was Rs. 225 the average price obtained per tree was Rs. 2-13-0. An average tree would cube about 25 cubic feet, say, ½ a ton, so that the price obtained was equivalent to Rs. 5-10-0 per ton or nearly as much as we get from local traders for undersized teak logs. These figures clearly show the importance of the cutch trade.

The result of sales for the last four years are given below to denote the increasing value of the cauldron :—

Year.	Period of working.	Cauldrons sold.	Amount realised.	Average per cauldron	Average per cauldron per month.
	Month.	No.	Rs.	Rs. A. P.	Rs. A. P.
1891-92	9	2,726	54,520	20 0 0	2 3 7
1892-93	9	1,221	82,630	67 10 9	7 8 4
1893-94	6	749	1,03,338	138 0 0	23 0 0
1894-95	4	366	82,245	224 11 5	56 2 10

The price of hard black cutch started at Rs. 75 per 100 viss, rose to Rs. 80, and finally fell to Rs. 65 at the close of the year. Soft black cutch varied between Rs. 50 and Rs. 65; hard red cutch between Rs. 55 and Rs. 65; soft red cutch was steady at Rs. 45.

Miscellaneous minor produce.

78. The extraction of minor produce, other than rubber and cutch, fell from an estimated quantity of 136,062 viss to 128,290 viss, which was due to a falling off in honey and wax in the Upper Chindwin and of thitsi in the Lower Chindwin. The falling off in honey and wax was in consequence of the season being less favourable for their production; that in thitsi to a delay in giving out the licenses, so that part of the revenue of the year will go to the following year. It was decided to sell the right of collecting of thitsi in the Mingin subdivision by auction, but notices could not be got out in time, so licenses were reverted to.

The collection of dues on minor forest produce by means of licensing the extraction is not altogether satisfactory, as it is not difficult to successfully evade the rule.

CHAPTER III.

Gross Yield and Outturn of Forest Produce.

Gross outturn of the circle.

79. The whole outturn of major and minor produce and the revenue credited is shown in the following table compared with results of the forest year of 1893-94. For details regarding minor forest produce see paragraph 76 above.

		Government agency.		Lessees.		Purchasers.		Free grants.	Right holders.	Total.	
		Tons.	Rs.	Tons.	Rs.	Tons.	Rs.	Tons.	Tons.	Tons.	Rs.
Teak		694	37,708	29,924	2,84,966	2,275	10,795	2,665	...	35,558	3,42,469
Other reserved woods ...		...	...	...	..	41	689	..	..	41	689
Unreserved woods ...		48	105	...	...	9,220	14,197	134	500	9,902	14,392
Fuel		...	...	...	..	7,653	3,017	...	...	7,653	3,017
Total wood ...	1894-95 ...	742	37,903	29,924	2,84,966	19,189	37,698	2,799	500	53,154	3,60,567
	1893-94 ...	829	24,127	48,257	4,58,414	18,243	34,280	3,585	...	70,914	5,16,821
		No.	Rs.	No.	Rs.	No.	Rs.	No.	No.	No.	Rs.
Bamboos ...	1894-95	2,000	52	...	...	8,843,524	21,883	1,400	4,818	8,852,342	21,935
	1893-94 ...	...	...	...	...	8,500,487	20,588	54,640	...	8,555,127	20,588
Canes ..	1894-95 ...	160,020	1,241	...	...	6,297,653	4,946	...	...	6,457,673	6,187
	1893-94 ...	...	...	...	...	5,744,615	4,700	900	...	5,745,515	4,700
Other produce	1894-95 .	...	...	...	...	.	91,374	...	...	...	91,374
	1893-94 ...	...	...	...	...	.	1,12,645	...	...	...	1,12,645
Total Revenue I, II, III.	1894-95 ...	...	39,106	...	2,84,966	...	1,55,901	...	...	...	4,80,063(a)
	1893-94 ...	...	24,127	...	4,58,414	...	1,72,213	...	...	...	6,54,754

(a) Rs. 5,710 outstanding at close of the year—Rs. 66 under Ia, Rs. 464 under Io, and Rs. 5,180 under IIa.

80. The outturn of teak was less than in the previous year by 18,111 tons, lessees having brought out 18,333 tons less than in previous year and purchasers 331 tons more. The other decreases were 92 under Government working and 17 under free grants.

Variations of outturn compared with previous year.

There was again a satisfactory increase in the outturn of unreserved wood, namely, of 1,049 tons. There were also fair increases under bamboos and canes.

81. The disposal by sales of timber brought on to the Government books during the year and of that on hand at the beginning of the year were as follows :—

Sales of timber by Government.

Division.	Local sales.			Rangoon sales.		
	Logs.	Tons.	Sale price.	Logs.	Tons.	Sale price.
			Rs.			Rs
Upper Chindwin	33	12	246	...	..	...
Lower Chindwin	231	93	1,524	.	...	...
Yaw	329	254	5,083	..	...	...
Minbu	48	37	413	626	641	27,596
Total teak	641	396	7,266	626	641	27,596
Other timber	130	47	165	...	...	...
Total ...	771	443	7,468	626	641	27,596

Rupees 28,512 are credited under Ia and Rs. 9,377 under III. The latter amount includes Rs. 2,814 derived from salvage dues and the sale-proceeds of 182 viss confiscated cutch.

The 296 logs stated as being in Rangoon in the last clause of paragraph 72 of last year's report, as well as 330(*a*) logs referred to in paragraph 68 above, were sold during the year for Rs. 27,596.

CHAPTER IV.

Financial Results.

82. The financial results of the last five financial years and last three forest years are given in the following statement. The figures for 1890-91 and 1891-92, *i.e.*, prior to the formation of this circle, include a share of the direction charges of the Upper Burma Conservatorship :—

Comparative statement.

	Revenue.	Expenditure.		Surplus.
Financial year—	Rs.	Rs.	Rs.	Rs.
1890-01	3,19,228	A 29,385 / B 80,965	1,10,350	2,08,878
1891-92	4,03,801	A 34,012 / B 80,993	1,15,905	2,87,896
1892-93	5,21,096	A 50,071 / B 1,11,808	1,61,879	3,59,217
1893-94	6,57,264	A 58,728 / B 1,49,252	2,07,980	4,49,284
1894-95	4,85,038	A 59,250 / B 1,52,066	2,11,316	2,73,722
Forest year—				
1892-93	5,25,983	A 50,614 / B 1,22,948	1,73,562	3,52,421
1893-94	6,65,185	A 66,859 / B 1,49,288	2,16,147	4,49,038
1894-95	4,85,512	A 56,725 / B 1,61,104	2,17,829	2,67,683

(*a*) 298 extracted by Government agency.
32 drift.

330

Revenue under main heads.

83 The revenue distributed under main heads for the last two years compares as follows :—

	1893-94.	1894-95.
	Rs	Rs.
Revenue on—		
Timber worked by Government agency	14,580	28,513
Timber worked by lessees	4,58,414	2,79,786
Timber worked by local purchasers—		
Teak	18,859	19,795
Reserved timber	906	983
Unreserved timber	11,266	14,127
Firewood and charcoal	1,004	3,017
Bamboos and canes	25,388	27,658
Cutch	1,03,836	82,732
Rubber	3,700	3,284
Other minor produce	5,007	5,306
Drift and confiscated	9,547	9,377
Miscellaneous	10,431	11,159
Total	6,65,185	4,85,512

There was a decrease under "timber worked by lessees" of Rs. 1,78,628 owing to the Corporation having in a measure limited their extractions. There was also a decrease under "cutch" of Rs. 20,606, owing to fewer licenses having been sold. There were satisfactory increases under "timber worked by Government," "timber worked out by purchasers," and "bamboos and canes."

Financial results by divisions.

84. The divisional financial results for the two years compare as follows :—

Division	1893-94.			1894-95.		
	Revenue	Expenditure	Surplus.	Revenue.	Expenditure.	Surplus
	Rs	Rs	Rs.	Rs	Rs.	Rs.
Upper Chindwin	1,71,826	51,001	1,20,225	1,54,961	58,624	1,06,337
Lower Chindwin	2,53,202	56,686	1,96,516	1,48,244	50,976	98,268
Yaw	1,87,761	56,046	1,31,713	99,835	47,070	52,765
Minbu	52,396	51,812	584	72,492	52,159	20,333
Total	6,65,185	2,16,147	4,49,038	4,85,512	2,17,829	2 67,683

CHAPTER V.

FOREST ADMINISTRATION.

Alteration in rules under the Regulation.

85. The chief alterations in the forest rules were—

(1) That the penalties provided by section 35 of the Forest Regulation were made applicable to offences connected with cutch trees.
(2) The routes by which jade stone and amber may be moved were prescribed and stations fixed for payment of duty on them
(3) That catechu should not be moved except under cover of a pass, a form for which was prescribed
(4) The definition of a *yathit* was altered to bring it in accordance with that adopted in Lower Burma.

Relations with Civil officers.

86. The department has worked in unison with Civil officers, who have always been ready to give their assistance and advice.

Officers who held charge of the circle.

87. The circle was under the charge of Mr. A. L. Home until the 8th December, when he was transferred to Assam and gave over charge to the writer of this report.

Conservator's tour.

88. The Conservator made a tour through the Upper and Lower Chindwin, visiting the following reserved forests :—

Upper Chindwin.	*Lower Chindwin.*	*Yaw.*
Kindat.	Bon.	Mozo.
Yu.	North Yama.	Laungdaung.
Kampat.	Patolôn	Kyaw.
Nankadin.		
Namlin.		

He also inspected some of the cutch forests in the Myittha valley.

Gazetted officers.

89. The late Mr. T. H. Aplin, Deputy Conservator, on his return from Moulmein, resumed charge of the Lower Chindwin division from Mr. H. B Anthony, who was thereon transferred to Lower Burma

Mr. C. L. Toussaint, Deputy Conservator, remained in charge of the Yaw division during the whole of the year.

Mr. W. T. T. McHarg, Officiating Deputy Conservator, continued to hold charge of the Minbu division during the whole of the year.

Mr. C. W. A. Bruce, Assistant Conservator, held charge of the Upper Chindwin division for the whole year until the 19th June 1895, when he proceeded on leave.

Mr. H. N. Thompson, Assistant Conservator was in charge of the Mingin subdivision during the whole year, except from the 9th August to the 8th October, when he was away at Toungoo.

Mr. H. H. Forteath, Assistant Conservator, was Personal Assistant to the Conservator from the beginning of the year till the 2nd August 1894, when he proceeded on privilege leave. On return he took charge of the Gangaw subdivision from Mr. D H Allan.

Mr. A. M. Burn-Murdoch, Assistant Conservator, on return from six months' leave on medical certificate, took charge of the Paungbyin subdivision in the Upper Chindwin on the 31st December 1894. On Mr. Bruce's departure on leave he took charge of the Upper Chindwin division in addition to his own duties.

Mr. C. B. Smales, Assistant Conservator, took over charge of the Magwe subdivision on the 19th October 1894 from Mr. R. F. Lowis

Mr. C. W. Allan, Extra Assistant Conservator, was attached to the Upper Chindwin division throughout the year.

Mr. R. F. Lowis, on being relieved of the Magwe subdivision by Mr. Smales, was transferred back to the Eastern circle.

Mr. D. H Allan, on being relieved by Mr. Forteath of the charge of the Gangaw subdivision, was attached to the Lower Chindwin division

Subordinate establishments

90. The old scale of permanent Forest and Depôt establishments, which is much below present requirements, remained in force, sanction to the revised scale not having been received. It had to be substantially supplemented by temporary establishments

The cost of the latter establishments for the year compares as follows with the previous year.—

		1893-94. Rs	1894-95. Rs
Permanent Forest and Depôt	B-I c	12,814	14 201
Forest and Depôt	B-I c	7,533	9,905
	A-I, A-II, and A-III .. .	1,688	2,794
	Total .	21,735	26,900

General Remarks.

Services of Gazetted officers.

91. The Conservator has much pleasure in recording his opinion that in spite of a good deal of illness among the staff an excellent season's work has been turned out all round, which is due to the zeal and ability which all officers have brought to bear on their duties and the careful arrangements for the season's work made by Mr. Home.

Mr. Aplin's lamented death just after the close of the year has deprived the department of a first-rate officer and his loss will be much felt.

It is believed that the question of increasing the Gazetted staff is still before the Government of India. The experience of the year has shown that there is a great deal of the preliminary organization of the forests still to be done and that it is greatly to be desired that the preparation of working-plans should be put in hand, but that to make really satisfactory progress more officers are wanted.

Services of Rangers and Foresters.

92 The following Rangers and Foresters are commended by their Divisional Officers for their work,—Upper Chindwin, Maung Shwe Lè, Ranger, and the Depot establishment; Lower Chindwin division, Rangers Maung Tun Hlaing and Mr. Anthony, and Foresters Maung Pho Zun, Tet She, and Tha Hla, Yaw division, Ranger Maung Tha Gywè; and Minbu division, Ranger Maung Aung Thu.

Health of the department.

93. Nearly all members of the establishment, European and Burman, suffered more or less from fever, especially at the beginning and during the hot weather. One forester died at Tilin, Gangaw subdivision.

Office establishments.

94. The office establishments are well reported on by Divisional Officers. The work in the Conservator's office was also carried on satisfactorily under the superintendence of Mr. A. J. Tirupathy.

95. The steam-launch *Chin* was as usual employed on drift and measurement work and also for inspections in the Yaw and Minbu divisions. She was altogether about five months in the hands of the Marine Transport Officer, Mandalay, under repairs and part of the time awaiting the Conservator's inspection.

Steam-launch.

96. Of the 20 elephants, including one astray, one died during the hot weather after a hard season's marching with the Conservator and there were 19 at the end of the year, including the one astray. Four calved during the year.

Elephants.

F. B. DICKINSON,

Conservator of Forests, Western Circle, Upper Burma.

MANDALAY:
The 24th September 1895.

LOWER BURMA APPENDICES.

FORM NO. 46.—*Statement showing Area of Reserved Forests in the Tenasserim and Pegu Circles for the year 1894-95.*

Division.	Range.	Civil district or territory.	Name of forest	Area on 1st July 1894.		Added during the year	Excluded or transferred to other heads.	Area on 30th June 1895.		Number and date of notification of addition or transfer.	Remarks.
				Acres	Equivalent in square miles	Acres.	Acres	Acres.	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
TENASSERIM CIRCLE											
West Salween ...	West Salween	Salween	Wamuchaung	1,920	3		...	1,920	3		
			Sinzwè	8,960	14	...	...	8,960	14		
			Kahilu	9,600	15			9,600	15		
			Minnanwè	3,840	6	..	...	3,840	6		
			Mewaing	7,360	12		...	7,360	12		
			Upper Methalauk	8,960	14	.	...	8,960	14		
			Lower Methalauk	3,840	6		...	3,840	6		
		Thatôn	Bilakatkyi	8,320	13			8,320	13		
			Ônkangyi	8,320	13	...	...	8,320	13		
		Amherst	Tagelaung	5,120	8	..	..	5,120	8		
		Salween	Pachaung	25,600	40	...	...	25,600	40		
			Dagwin	6,400	10	..	..	6,400	10		
Salween-Attaran	East Salween	Amherst	Mêpalè	91,200	143	.	.	91,200	143		
			Thaungyin								
			Kvankket	12,160	19	...	...	12,160	19		
			Mêgala ...	6,400	10	...	...	6,400	10		
			Winsaw	6,400	10	..	..	6,400	10		
			Mekkaue	17,280	27	.	...	17,280	27		
			South Myawaddi ...	150	...	..	...	150	...		
			Ônkaraing	33,920	53	...	...	33,920	53		
			Gawle	37,120	58	.	...	37,120	58		
			Baledo	1,600	2	..	...	1,600	2		
			Yachaung	13,440	21	...		13,440	21		
			Tinyakava	6,400	10	...	...	6,400	10		
			Kawkann	3,200	5	...	...	3,200	5		
			Tipopalan	1,920	3	...	..	1,920	3		
			Winlôn ...	8,320	13		...	8,320	13		
	Attaran ...	ditto	Dali	7,680	12	..	..	7,680	12		
			Pakabo	20,480	32	...	.	20,480	32		
			Natchaung	5,760	9	.		5,760	9		
			Gôngyi	27,520	43			27,520	43		
			Ma-u	8,960	14	...	.	8,960	14		
			Megwa	12,160	19	...	...	12,160	19		
			Thinganyinaung	5,760	9	...	...	5,760	9		
			Kyunchaung	10,880	17	...	...	10,880	17		
			Yè	202,880	317	...	.	202,880	317		
South-Tenasserim	Tavoy-Mergui	Tavoy-Mergui	Mintha	64,000	100	...	...	64,000	100		
			Kalenaung	294,400	460	...	...	294,400	460		
			Ngawunchaung	192,000	300	...	...	192,000	300		
Kado ...	Kado ...	Thatôn ...	Kyakatchaung	11,520	18	..	.	11,520	18		

Toungoo	Thagava...	Toungoo	Kyaukmasin	...	...	20,480	32	...	...	20,480	32		
			Saing-Yane	...	...	70,741	110	...	...	70,741	110		
			East Swa	...	...	17,280	27	...	...	17,280	27		
			Lônyan	...	...	10,880	17	...	...	10,880	17		
			Salwin	...	...	26,240	41	...	...	26,240	41		
			West Swa	...	...	38,400	60	...	...	38,400	60		
			Myohla	...	...	12,160	19	...	...	12,160	19		
			Kyungon	...	...	2,560	4	...	...	2,560	4		
			Yetkansin	...	...	7,680	12	...	...	7,680	12		
			Gwethè	...		33,280	52	...	...	33,280	52		
	Zeyawadi	Do.	Kabaung	...	...	220,800	345	...	...	220,800	345	.....	Includes Karen area of 655 square miles.
			Bondaung	...	...	25,600	40	...	...	25,600	40		
			Pyuchaung	...	...	59,520	93	...	...	59,520	93	.....	Includes Karen area of 30 square miles.
			Nvaunchidank	...	...	2,240	4	...	...	2,240	4		
			Kanyutkwin	...	...	12,800	20	...	...	12,800	20		
	Bonmadi	Do	Kanni	...	...	280	6	...	...	280	6		
			Pyunchaung	...	...	3,400		...	...	3,400			
			Gonwè	...	...	6,400	10	...	...	6,400	10		
			Thandaung	...	...	12,025	19	...	...	12,025	19		
			Metindein	...	...	...	...	8,320	...	8,320	13	Revenue Department Notification No 401F, dated 27th December 1894.	
	Zeyawaddi	Do	Pyukun	...	...	...		211,200	...	211,200	330	Revenue Department Notification No. 300F, dated 6th August 1894.	
Shwegyin	Bawni ...	Pegu	Tongan	...		20,480	32	...	...	20,480	32		
			Upper Kayinmyaung	...		8,320	13	...	...	8,320	13		
			Lower Kayinmyaung	...		28,800	45	...	...	28,800	45		
			Nyabwa	...	...	56,320	88	...	...	56,320	88		
			Yèuwè	...	...	160,000	250	...	...	160,000	250		
			Wunpein	...	...	67,840	106	...	...	67,840	106	.....	Includes 25 square miles of Karen area.
			Zaba-Baingda	...	...	99,840	156	...	...	99,840	156		
			Mavan-Kawliya	...	...								
	Kyaukkyi	Toungoo	Binbyè	...	...	6,400	10	...	...	6,400	10		
	Sittang ..	Thatôn	Kyundaung	...	...	4,800	7	...	...	4,800	7		
	Bawni	Pegu	Aingdonkun	...	...	...	...	188,160	...	188,160	294	Revenue Department Notification No. 396F., dated 25th October 1894.	Includes 65 square miles of Karen area.
			Total area free of taungya privileges.			2,158,516	3,364	366,080	...	2,512,596	3,935		
			Total Karen area		..	84,800	132	41,600		126,400	198		
			Total		...	2,237,316	3,496	407,680	...	2,644,996	4,133		
			PEGU CIRCLE.										
Thayetmyo	Mvede ...	Thayetmyo	Tindaw	...		2,880	5	...	..	2,880	5		
			Satsuwa	...	...	4,800	7	...	...	4,800	7		
			East Yoma	...	...	71,680	112	...	...	71,680	112		
	Kama ...	Do	Saingdo	...	...	1,216	2	...	...	1,216	2		
			Thabala	...	...	6,080	9	...	...	6,080	9		
			Mindon Yoma	...	...	166,400	260	...	...	166,400	260		
			Ngawet	...	...	3,200	5	...	...	3,200	5		
	Minhla ..	Do	Kyauktegya	...		10,880	17	...	..	10,880	17		
			Shandat	...	..	35,200	55	...	...	35,200	55		
			Pani	...	..	28,800	45	...	...	28,800	45		
	Sinbaung-we.	Do	Ohnèzan	...		5,760	9	...	...	5,760	9		
			Sinmadaung	...	..	7,680	12	...	...	7,680	12		
			Thègôn	...	..	14,080	22	...	...	14,080	22		
			Total Thayetmyo	...		353,656	560	...	...	358,656	560		

FORM NO. 46—*Statement showing Area of Reserved Forests in the Tenasserim and Pegu Circles for the year 1894-95*—concluded.

Division.	Range.	Civil district or territory	Name of forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		Number and date of notification of addition or transfer	Remarks
				Acres.	Equivalent in square miles	Acres.	Acres.	Acres.	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
Prome	Nawin	Prome	North Nawin	38,368	60	...	...	38,368	60	.....	Includes Karen area of 9081 acres or 14 2 square miles
			South Nawin	61,772	97	...	...	61,772	97	.....	Includes Karen area of 17,329·8 acres or 27 1 square miles
			Chaungzauk	34,552	54	...	...	34,552	54		
			Nwaugbindet	5,186	8	...	...	5,186	8		
			Tônyè	13,625	21	1*	...	13,626	21	.....	* By revision.
			Pauktaw	4,556	7	2,50†	...	4,806	8	.....	† ditto.
			Sinmizwè	7,219	11	...	...	7,219	11	.....	
			Gônbale	...	...	3,840	...	3,840	6	No. 364, dated 22nd September 1894.	
			Oleswe	...	...	5,120	...	5,120	8	ditto.	
			Kaveneik	4,480	7	...	...	4,480	7	ditto	
			Kyaigôn	...	...	8,320	...	8,320	13	ditto	
			Wettaung	...	...	6,400	...	6,400	10	No 52, dated 14th February 1895	
			Total	1,65,278	258	23,411	...	1,93,689	303		
	Shwele	Prome	Shwele	73,489	115	...	...	73,489	115		
			Shwekyundaw	256	1	...	...	256	1		
			Prome plantation	73		...	...	73			
		Prome and Tharrawaddy	Takyôkmaw and Inma	24,576	38	...	1,0172	23,559	37	.....	‡ ditto.
			Total Prome Division	2,63,672	412	28,411	1,017	2,91,066	455		
			Karen area	32,065	50	2,204*	...	34,269	54		* ditto.
			Total area free of taungya privileges	2,31,607	362	26,207	1,017	2,56,797	401		
Tharrawaddy	Bawbin	Tharrawaddy	Taungyo	1,07,169	167	...	...	1,07,169	167	.....	Includes Karen area of 44 02 square miles.
			Minbu-Bawbin	83,331	130	...	...	83,331	130	.....	Includes Karen area of 35 66 square miles.
			Thitcho	2,970	5	...	...	2,970	5		
			Kangyi	4,896	8	...	...	4,896	8		
			Myodwin	38		...	...	38			
			Chaungzauk	3,454	5	...	...	3,454	5		
			Mvolè	2,360	4	...	...	2,360	4		
			Gamôn	47,757	75	...	...	47,757	75	.....	Includes Karen area of 29 31 square miles
			Taung	14,016	22	...	...	14,016	22	.....	Includes Karen area of 8·43 square miles
			Minbla	25,453	40	...		25,453	40	.....	Includes Karen area of 6 43 square miles.
	Gamôn	ditto	Tankkyan	3,138	5	...	...	3,138	5	.....	
			Thakolan	1,134	2	...	...	1,134	2		
			Chaungnagôn	350	1	...	...	350	1		
			Satpôk	5,356	8	...	...	5,356	8		
			Mokka	22,406	35	...	...	22,406	35	.....	Includes Karen area of 10 28 square miles
			Kadin-Bilin	53,363	83	...	...	53,363	83	.....	Includes Karen area of 22 33 square miles.
	Bilin	Tharrawaddy	Kôn-Bilin	15,987	25	...	...	15,987	25		
			Thônze	69,734	109	...	...	69,734	109	.....	Includes Karen area of 1480 square miles.
			Sitkwin	2,837	4	...	...	2,837	4		
			Thindawnyo	6,551	10	...	...	6,551	10		
			Total Tharrawaddy	472,200	738	...	...	472,200	738		
			Karen area	109,606	171	...	...	109,606	171		
			Total area free of taungya privileges,	362,594	567	...	...	362,594	567		

Rangoon	Kinbadi	Hanthawaddy	Okkan	58,000	125	5,158	...	85,158	133	.....	Includes Karen area of 13 square miles.
			Magayi	12,800	20	6,125	...	18,925	30		
	Hlaing	ditto	Hlaing Yoma	59,520	93	4,070	...	63,590	99		
			Thabyu	8,000	13	...	544	7,456	12		
			Thitpwat	1,288	2	-	...	1,288	2		
			Kyaunchaung	8,440	13	...	3,550	4,890	8		
			Waoetchaung	4,750	7			4,750	7		
			Himawbi	1,846	3		-	1,846	3		
	Pauglin	ditto	Kyetpyugan	940	1	...	...	940	1		
			Total Rangoon	177,576	277	15,353	4,094	188,835	295	.....	Rectification by survey.
			Karen Area	8,320	13		...	8,320	13		
			Total area free of taungya privileges	169,256	264	15,353	4,094	180,515	282		
Pegu	Paunglin	Pegu	Paunglin	68,480	107	...	...	68,480	107	.....	Includes Karen area of 7 square miles.
	Zamayi	Thanrawaddy	Upper Zamayi	145,920	228	...	..	145,920	228	.....	Includes Karen area of 88 5 square miles.
	ditto	Pegu	Letpan	10,880	17	...	...	10,880	17		
			Kadat	64,000	100	...	...	64,000	100		
			Lower Zamayi	113,280	177		..	113,280	177	.....	Includes Karen area of 18·5 square miles.
			Pyinbongyi	8,320	13	...	..	8,320	13		
			Pyinma	19,200	30	...	...	19,200	30		
			Shwelaung-Kodugôn	37,120	58		...	37,120	58	.....	Includes Karen area of 19 square miles
			Total Pegu	467,200	730	..		467,200	730		
			Karen Area	72,960	114	12,160	...	85,120	133		
			Total Area free of taungya privileges	394,240	616	...	12,160	382,080	597		Omitted in form for 1893-94.
Henzada-Thôngwa	Henzada	Henzada	South Myaonaung	102,400	160	...		102,400	160		
Total Pegu Circle	...	(a) Area free of taungya privileges		1,618,753	2,529	41,560	17,271	1,643,042	2,567		
		(b) Karen area		222,951	348	14,364	...	237,315	371		
		(c) Total area of reserved forests		1,841,704	2,878	55,924	17,271	1,880,357	2,938		
Total Tenasserim Circle		(a) Area free of taungya privileges		2,152,516	3,364	366,080	...	2,518,596	3,935		
		(b) Karen area		84,800	132	41,620	..	126,400	198		
		(c) Total area		2,237,316	3,496	407,680	-	2,644,996	4,133		
Grand Total, Lower Burma.	...	(a) Area free of taungya privileges		3,771,269	5,893	407,640	17,271	4,161,638	6,503		
		(b) Karen area		307,751	481	55,964	...	363,715	569		
		(c) Total area		4,079,020	6,374	463,604	17,271	4,525,353	7,071		

Abstract of changes during the year.

	Pegu Circle. Square miles
Total area as on 1st July 1894	2,878
Added—	Square miles
By reservation of new areas	44
By rectification by survey	24
By revision of previous figures	4
	68 4
Included—	
By rectification by survey	64
By revision of area	2
	8·4
Net increase	60
Total area on 30th June 1895	2,938

FORM NO. 47.—*Statement showing the Progress made in, and the Expenditure incurred on, Forest Settlement in the Tenasserim and Pegu Circles for the year 1894-95.*

Division.	Civil district or territory	Area already settled at commencement of the year	Areas finally settled during the year: No. and date of Government order according final sanction to the settlement.	Areas finally settled during the year: Name of forest settled.	Areas finally settled during the year: Area in square miles	Expenditure incurred during the year on areas finally settled: In forest accounts.	Expenditure incurred during the year on areas finally settled: In other accounts	Entire cost per square mile of areas finally settled during the year	Areas undergoing settlement: At commencement of the year: Name of tract	Areas undergoing settlement: At commencement of the year: Area in square miles	Areas undergoing settlement: Taken in hand during the year: Name of tract	Areas undergoing settlement: Taken in hand during the year: Area in square miles	Expenditure incurred during the year on areas undergoing settlement: In forest accounts.	Expenditure incurred during the year on areas undergoing settlement: In other accounts	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TENASSERIM CIRCLE		Square miles.				Rs	Rs	Rs					Rs	Rs.	
West Salween	Salween	120													
	Thatôn	26													
	Amherst	8													
	Total	154													
Toungoo	Toungoo	911	390 (Forests) 6th August 1894 491 (Forests) 27th December 1894	Pyu reserve Metindin	330 13										
	Total	911			343										
Salween-Attaran	Amherst	846													
	Total	846													
South Tenasserim	Tavoy	560													
	Mergui	300													
	Total	860													
Shwegyin	Pegu	690	396 (Forests) 25th October 1894	Aingdonkun	294			2							
	Toungoo	10									Mon	65	185*		* Includes Rs 154 paid as travelling allowance of Forest Settlement Officer
	Thatôn	7									Pada	85			
	Total	707			294			2				150	185		
Kado	Thatôn	18													
		18													
	GRAND TOTAL	3,496			637			2				150	185		
PEGU CIRCLE.															
Thayetmyo	Thayetmyo	560													
Prome	Prome	412													
			364, 22nd September 1894	Gonbale	6			13	Gonbale	6					
			ditto	Obswe	8			13	Obswe	8					
			ditto	Kayineik	7			13	Kayineik	7					Last year Rs. 437-8-5 was expended locally and Rs 135-2-10 by Agency Officer.
			ditto	Kyatgon	13			13	Kyatgon	13					
			52, 14th February 1895	Wettaung	10	45		18	Wettaung	10			45		Compensation for two fields.
Tharrawaddy	Tharrawaddy	738													
Rangoon	Hanthawaddy	277													
Pegu	Hanthawaddy	502									Block I	15·86			Now Hanthawaddy district.
											Block II	43·49			
											Block III	17·36			
	Pegu	228									Block IV	40·77			
Henzada-Thongwa	Henzada	160							Meimmahla	21	Meimmahla	21			Kamasè. Yettkangyi. Since sanctioned.
	Total	2,877			44	45		70		65		132·45	45		
	Total, Lower Burma	6,373			681	45		72		65		282·45	230		

FORM NO. 48.—*Statement showing Record of Demarcation and Maintenance of Boundaries in the Tenasserim and Pegu Circles for the year 1894-95*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
TENASSERIM CIRCLE.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs	Rs.	
West Salween	...	...	204	48	..	156	204	...	...	
Toungoo	110	211	444 25	765·25	50	229·25	1,044·5	1,021 0 0	873 0 0	
Kado	...	...	...	30	...	...	30	5 0 0	...	
Salween-Attaran	...	125	473	598	...	72	670	...	600 0 0	
South Tenasserim	...	...	133	133	...	158	281	..		
Shwegyin	186	9	271	466	100	33	599	1,264 0 0	14 0 0	
Total	296	345	1,515 25	2,030 25	150	649·25	2,828 5	2,290 0 0	1,487 0 0	
PEGU CIRCLE										
Thayetmyo	3	1·50	178 00	182 50	...	93 75	276 25	6 8 0	15 2 0	
Prome	91	7·95	...	514	.	33	547	245 4 0	164 14 0	Of these 25 miles in Shwele reblazed only.
Tharrawaday	21			501	...	104	605	47 0 0	162 9 0	
Rangoon	...	...	139	139	...	127·50	266·50	...	0 10 0	
Pegu	...	94	27	121	...	353·50	474·50	777 4 3	...	
Bassein-Myaungmya	...		...		..		...	..	...	
Henzada-Thôngwa	7	18	...	25	...	42	67	111 0 0	...	
Total	122	218·50	344	1,452·50	...	753·75	2,236 25	1,187 0 3	343 3 0	
TOTAL, LOWER BURMA	418	563 50	1,859 25	3,512·75	150	1,402	5,064·75	3,477 0 3	1,830 3 0	

FORM No 49—*Statement showing Forest Areas Surveyed and under Survey in the Tenasserim and Pegu Circles for the year 1894 95*

Division	Areas surveyed and under survey during the year																						Areas remaining to be taken under survey	Total forest area at end of the year as per Form No 46	Cost			Remarks
	Special surveys—Maps on 4 inch scale or over, by Survey of Ind a Department or Forest Survey Branch							Ordinary included in district surveys									Chain and compass or other surveys by local officers											
	With interior details					Boundary surveys			With interior details					Boundary surveys			With interior details.					Boundary surveys.							
	With details of growing stock		Without details of growing stock						With details of growing stock		Without details of growing stock						Four inch or over		Under 4-inch.									
	Previous	Of the year	Previous	Of the year	Total cost	Previous	Of the year	Total cost	Previous	Of the year	Previous	Of the year	Total cost	Previous	Of the year	Total cost	Previous	Of the year	Previous	Of the year	Total cost	Previous	Of the year	Total cost			Previous	Of the year	Entire cost of all surveys to end of the year	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TENASSERIM CIRCLE.	Sq miles	Sq miles	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Rs	Sq miles	Sq miles	Rs	Rs	Rs	
West Salween	..		..	..	..	..																			354	154	..	..	..	
Toungoo	..		880	15*			..	..			..	..	..							..	..				361	1 824	..	..		
Kado			..	..		..		..																	18	18	..			
Salween Attaran	321	76	351	76	63,620			..					..							..	..				419	846	56,287	9,333	65,620	
South Tenasserim						..			..	..			..			..				..	..				860	860	..	..	..	
Shwegyin ..							..			..	..	..	..	..									70		1 001	1,001	..	..		
Total	321	75	1 231	89	63,620	..	..	..			..										..		70		2,813	4.133	56,287	9 333	65 620	
PEGU CIRCLE																														
Thayetmyo	..	..	..	..	..			†			..		..				..						..	..	560	560	..	..	..	
Prome ..	315		86	..					..	..	44		..				..	..					..	..	..	455	..			
Tharrawaddy ..	..		686				..		..	..	36										..	..	..	..	16	738				
Rangoon			..	283		..	..				12			..	..				..	..			..		395		46 787	..	
Pegu	..			57						..		..													673	730		12 799	..	
Basse n-Myanaungmya				..			..	..		..	..	..				..		..		..				..			..	..	..	
Henzada Thôngwa ..					..		..	/					..				..			..	33*				160	160	..	33	33	
Total ..	315	..	772	340						..	92			..						..	33			..	1 409	2,938	4,52 282	59 619	3 11,841	
GRAND TOTAL, LOWER BURMA	636	75	2 003	429	63,620			..			92					..		..	..	..	33		70		4,222	7 071	5,08,509	68,952	5,77,461	

* Revision; has dep 12 square miles of unreserved forest s rveyed on 2 inch scale The traverse si rvey on the 4 inch scale was of reserved forest 293 square miles and unreserved forest 165 square miles on the 2 inch scale

† Cost of a survey made by Divisional Officer of the Mamya creek

FORM NO. 50.—*Statement showing Progress made in Working Plans in the Tenasserim Circle for the year 1894-95.*

Division	Areas for which working plans have been completed.		Areas for which working plans are being compiled.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 46.	Entire cost per square mile of working plans completed.	Remarks.
	At commencement of the year	During the year	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Square miles.	Square miles	Square miles.	Square miles.	Square miles.	Square miles.	Rs.	
West Salween ...	...	..	...	...	154	154	...	
Toungoo	...	385	...	...	869	1,254	33	
Kado	...	...	...	...	18	18	...	
Salween-Attaran ...	...	...	...	...	846	846	...	
South Tenasserim ...	...	...	...	...	860	860	...	
Shwegyin	...	...	...	...	1,001	1,001	...	
Total ...		385	...	...	3,748	4,133	..	

FORM NO. 50.—*Statement showing Progress made in Working Plans in the Pegu Circle for the year 1894-95.*

Division.	Areas for which working plans have been completed		Areas for which working plans are being compiled		Area for which working plans have still to be taken in hand	Total forest area as in Form No 46.	Entire cost per square mile of working plans completed.	Remarks
	At commencement of the year.	During the year.	At commencement of the year	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Square miles.	Square miles.	Square miles.	Square miles.	Square miles.	Square miles	Rs.	
Thayetmyo	...	...	...	...	560	560	...	
Prome	325	...	...	...	131	455	91	
Tharrawaddy	694	..	...	...	44	738	116	
Rangoon		...	...	...	295	295	...	
Pegu	...	...	...	...	730	730	...	
Bassein	.	.	...	...	...	...	...	
Henzada ...	...	...	...	..	160	160	...	
Total	1,019	...	...	...	1,920	2,938	...	
TOTAL, LOWER BURMA ...	1,019	385	...	...	5,668	7,071	...	

FORM NO. 51.—*Statement showing Communications and Buildings in the Tenasserim Circle for the year 1894-95*

Division	NEW WORKS UNDERTAKEN DURING THE YEAR.					REPAIRS EXECUTED DURING THE YEAR.					Remarks.
	Buildings		*Roads and paths*			*Buildings*		*Roads and paths*			
	Description of building	Expenditure incurred	Road or path and object to the same.	Length of road or path	Expenditure incurred	Total expenditure on new work	Nature of repairs	Expenditure incurred	Nature of repairs.	Length repaired	Expenditure incurred	Total expenditure on repairs	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs		Miles	Rs	Rs.		Rs.		Miles	Rs	Rs.	
Tonngoo	.....	..	.....	...	...	...	Painting part of forest bungalow	144	.....	..	...	...	
	.....	...	.....	...	...	.	Repairs to forest bungalow	202	.....	...	...	...	
	.....	...	.....	...	...	...	Repairs to office	3	.....	...	.	...	
	.....		.....	...	...	...	Repairs to Pyunchaung rest-house ...	11	.....	...	.	...	
	.....	...	.....	...	...	...	Repairs to Tabetkwe rest-house ...	83	.....	...	.	...	
	.....	.	.....	...	.	..	Repairs to Chaungmange rest-house ...	51	.....	...	...	...	
	.....	..	.....	...	...	..	Repairs to Zibwubin rest-house ...	29	.....	...	...	.	
	.....	...	.....	...	.	.	Repairs to Bambwebin rest house ...	11	.....	...	...	...	
	.	...	.....	...	...	..	Repairs to Minve rest house	30	.....	...	...	...	
	.....	..	.....	...	.	..	Repairs to Depôt house rest-house ...	26	.....		...	...	
		.		...	..	..	Total ...	588	.....	...	...	588	
Agency	.....		Construction of a timber slip at Battery Point depôt	350' x 25'	2,150	..	.....	...	.....	...	...	...	
	.....	..					.....	...	.....	...	...	...	
		.	Total ...	..	2,150	2,150	.....	...	.....	...	...	...	
Kado	Projecting eaves and covered passage to Shwegun bungalow	267	..	...	...	.	.....	...	.....	...	...	...	
	Extention of Rangers' quarters at Shwegun.	217	... ..	...	...	..	.....	...	.....	...	...	..	
	Construction of a guard-house at Kado including acquisition of site.	400	.....	...	...	...	.....	...	.....	..	...	..	
	Dismantling and reconstructing a guard-house at Kado	14	.....	...	.	...	Repairs to and painting forest office, Kado ...	93	Repairs to wooden pathway at Kado.	...	100	...	
	Construction of 4 tés at Mezeik	189	. .....	..	..	...	Reroofing and walling Kamamaung rest-house...	70	.....	...	...	...	
	Total	1,087		..	...	1,087	Repairs to rangers' quarters, Shwegun ..	10	.....	..	...	...	
							Repairs to guard-house, Mapun	8	.....			..	
							Total ...	181	.....	...	100	281	
Salween-Attaran		.	...	...	...	..	Repairs to roof of forest bungalow, Kawkareik...	4	.. ...	...	...	...	
		..	. ...	.	...	..	Repairs to rangers' quarters, Natchaung ...	58	...	...	...	...	
	.....	...	.. ...	..	...	..	Repairs to temporary rest-houses, Kyunchaung and Dali reserves	39	.....	...	...		
							Repairs to Thingannymaung reserve ...	12	... ..	...	...	...	
		..		..	..	..	Total ...	113	... ..	..	...	113	
South Tenasserim	.....	...	.	..	...	...	Repairs to Kyetsabyun revenue station ..	12	.....	...			
	. ...	..	.. ..	.	..	..	Repairs to Sinzake depôt ..	10	. ...	...	...	...	
	.....	..	.....	...	...	...	Repairs to Siam road check-station	18	.. ..			..	
	.....	..	.	...	...	...	Repairs to Mergui plantation bungalow ..	29	...	...	...	...	
				...			Total ...	69	...	..		69	
Shwegyin	Guard-house, Myitkyo ...	350	.....	..	...	..	Repairs to forest bungalow, Shwegyin	88	. .. .	...	...		
	Forester's hut, Thanbyagôn ...	24	.....	..	...	...	Repairs to Inspection bungalow, Myitkyo ...	6	.....	...	...	...	
		...	.. ...	...	..	..	Repairs to Mahouts' shed, Shwegyin ..	38	.....	...	...	...	
	Total	374		...		374	Total ...	132	.....	...	...	132	
	GRAND TOTAL ...	1,461		..	2,150	3,611	GRAND TOTAL .	1,083	.....	...	100	1,183	

FORM NO. 51.—*Statement showing Communications and Buildings in the Pegu Circle for the year 1894-95.*

Division.	NEW WORKS UNDERTAKEN DURING THE YEAR. *Buildings.* Description of building.	Expenditure incurred	*Roads and paths.* Road or path and object of the same	Length of road or path.	Expenditure incurred.	Total expenditure on new work.	REPAIRS EXECUTED DURING THE YEAR. *Buildings.* Nature of repairs.	Expenditure incurred.	*Roads and paths* Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs		Mls.	Rs.	Rs.	*Forest Bungalows.*	Rs.		Mls.	Rs.	Rs.	
Thayetmyo	First class bungalow ...	...	...	...	.....	... ..	Earthoiling fence and outhouses	75 0 0	.....	...	...	.....	
	Rest-house at Kyaukletkya ...	500	.....	...	.....	500 0 0	Purchase of paint ...	46 0 0	.....	...	...	.....	
	Total ...	500		...	.. ...	500 0 0	.....	..	.....	...	...	.....	
								121 0 0		...	...	121 0 0	
							Prome Bungalow.						
	.....	...	.....	...	.....	.....	Repairs to fencing .	170 0 0	.....	...	...	.....	
	.....	.	.....	...	.....	.....	Repairs to bungalow ..	173 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Repairs to servants' quarters.	6 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Repairs to roads to Forest Office	37 0 0	.....	...	...	.....	
								386 0 0					
Prome.	.....	...	.....	...	.....	.....	Repairs to elephant shed and mahout quarters.	140 0 0	.....	...	...	.....	
							Paungdè Bungalow.						
	.....	...	.....	...	.....	.....	Repairs to bungalow ..	89 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Repairs to rest-houses, Kadiangasin.	6 0 0	.....	...	...	.....	
	.....		.....	...	.....	...	Taungin ...	15 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Nyaungmitswe ...	2 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Kelingyi	13 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Taungamauk	5 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Theme	19 0 0	.....	..	..	.....	
		.						60 0 0		...	...	675 0 0	
	Bamboo rest-house* Hmyachaung.	71	Road in Kangyi reserve	...	994 0 0	.....	Repairs to rest-houses and bungalow at Hmyachaung	2 0 0	.....	...	...	.....	* A new bungalow at Hmyachaung purchased last year was totally destroyed by fire on 2nd April 1895.
	.....	...	Labour on earthwork ... Rs. 652 10 0	...	.....	.....	We	75 0 0	.....	...	...	.....	
	.....	...	Purchase of timber ... ,, 58 5 2	...	.....	.....	Rawbin	98 0 0	.....	...	...	.....	
	.....	..	Planking six bridges ... ,, 100 4 6	..	.....	.....	Hmaw In	23 0 0	.....	...	...	.....	Earthoiling and painting.
	.....	...	Conveyance coolies ... ,, 27 12 0	...	.....	.....	Kyaungywa	40 0 0	.....	...	...	.....	
	.....	...	Conveyance timber ... ,, 32 12 0	...	.....	.....	Thatrawaddy bungalow ...	197 0 0	.....	...	...	.....	Earthoiling and painting and repairing ground floor
Thatrawaddy.	.....	...	Labour on extracting stumps ,, 42 0 0	...	.....	.....	Thatrawaddy office ...	712 0 0	Repairs to small bridge ...	...	5	.....	
	..	...	Purchase of tools ... ,, 80 0 0	..	.....	.....	...	.....	...	...	.	... ...	
			Total Rs 993 11 2										
	.....	...	Bawbin-Kangyi reserved clearing jungle	4	140 0 0	.....							
	Total ...	71	Total ...	..	1,134 0 0	1,205 0 0	Total ...	1,147 0 0		...	5	1,152 0 0	

FORM No. 51.—*Statement showing Communications and Buildings in the Pegu Circle for the year 1894-95*—concluded.

Division	NEW WORK UNDERTAKEN DURING THE YEAR.						REPAIRS EXECUTED DURING THE YEAR.						Remarks.
	Buildings.		*Roads and paths.*			Total expenditure on new work.	*Buildings.*		*Roads and paths.*			Total expenditure on repairs.	
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
				Mls	Rs. A. P.	Rs. A. P.		Rs. A. P.		Mls.	Rs. A. P.	Rs. A. P.	Rs A P.
Rangoon.	.....	...	Cost of bridge over Saluaan stream, C. F. P. C., No 2379, dated 1st November 1894.	...	514 10 0	.....	.....	.....	Repairs and labour on old bridges.	...	8 2 3	.....	New bridge 514 10 0 Repairs to old bridges 8 2 3 A VIIa — 522 12 3
	.....	...	.....	...	.....	.....	Cost of collecting thatch and labour in connection with re-roofing Palon and Kinpadi bungalows and out-houses.	136 13 11	.....	...	.....	.....	
	Total ...	...		...	514 10 0	514 10 0	Total ..	136 13 11	Total ...	...	8 2 3	145 0 2	
Pegu.	Cost of fencing around the Forest bungalow.	20	Constructing a new bridge at Hlegu.	...	321 0 0	.....	Repairs to Hlegu Revenue station and out-houses.	28 0 0	Clearing inspection paths in the Panaglin reserve Mwehauk to Pyinma C. Poketa to Mwehauk and Kinpadi.	..	61 0 0	.....	
	Cost of fencing around the new proposed office site ...	15	.....	...	.....	.....	Repairs to Forest bungalow ...	80 0 0	.....	..	...	.....	
	.....	...	.....	...	.....	.....	Earthoiling Forest bungalow ...	60 0 0	.....	...	...	.....	
	.....	...	.....	...	.....	.....	Painting Forest bungalow ...	68 0 0	.....	..	...	.....	
							Repairs to Revenue station ...	34 0 0	Clearing inspection paths in the Zamayi Range Pauktu te to Tedaw.	...	6 0 0	.....	
	Cost of fencing around the Pegu Revenue station.	10	.....	...	.....	.....	Earthoiling Revenue station ...	30 0 0	Repairs to road entrance to Forest bungalow.	...	21 0 0	.....	
	Total ...	45		...	321 0 0	366 0 0	Total ...	300 0 0	Total ...	...	86 0 0	386 0 0	
Bassein-Myaungmya.	Forest bungalow	7,458	.....	...	.....	.....	Earthoiling, coal-tarring, and white-painting the Forest bungalow and out-houses.	95 0 0	.....		...	.....	
	....	...	.....	...	.....	.....	Re-roofing the Bajim Timber Depôt house	22 0 0	.....	...	...	.....	
	Total ...	7,458		...	.....	7,458 0 0	Total ...	117 0 0	Total ...	...	...	117 0 0	
Agency.	.....	...	Excavating No. 2 creek at the Government Timber Depôt.	...	325 0 0	.....	Repairs to all the buildings at the Government Timber Depôt.	954 7 0	Repairs to bridges at the Government Timber Depôt.	.6	5 14 0	.....	
	.....		.....	...	.....	.....	.....	.....	Constructing a revetment ...	...	3 4 0	.....	
					325 0 0	325 0 0		954 0 7	Total ...	..	9 2 0	963 9 0	
	Total ...	8,074	.....	...	2,394 10 0	10,368 10 0	.....	3,451 4 11	.....	...	108 4 3	3,559 9 2	
	GRAND TOTAL, LOWER BURMA...	9,535	.....	...	4,444 10 0	13,979 10 0	.....	4,534 4 11	.....	...	208 4 3	4,742 9 2	

FORM NO. 52.—*Statement showing Prosecutions for Breaches of Forest Rules in the Tenasserim Circle for the year 1894-95.*

Forest division.	Cases pending from 1893-94.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.	Remarks.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.			
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
West Salween ...B	...	..	9	...	...	9	9	8	8	...	...	8	8	1	
Total	...	...	9	...	...	9	9	8	8	...	...	8	8	1	
Toungoo A	..	...	1	...	...	2	2	2	4	...	...	2	4	...	
B	... 18	6	15	1	47	69	87	84	168	...	...	84	168	3	
Total	... 18	7	16	1	47	71	89	86	172	...	...	86	172	3	
Kado A	...	...	4	...	14	18	18	18	20	...	...	18	20	...	
B	...	...	5	...	257	262	262	262	293	...	...	262	293	..	
C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total	...	...	9	...	271	280	280	280	313	...	...	280	313	...	
Salween-Attaran A	...	...	7	...	...	7	7	5	5	2	4	7	9	...	
B	...	...	16	...	38	54	54	54	60	...	...	54	60	...	
C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total	...	...	23	...	38	61	61	59	65	2	4	61	69	...	
South Tenasserim A	...	1	15	...	...	16	16	13	27	3	5	16	32	...	
B	...	...	48	...	12	60	60	60	65	...	...	60	65	...	
C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total	...	1	63	...	12	76	76	73	92	3	5	76	97	...	
Shwegyin A	... 5	...	16	...	5	21	26	17	97	2	19	19	116	7	
B	..	...	118	2	17	137	137	133	568	...	...	133	568	4	
C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total	... 5	...	134	2	22	158	163	150	665	2	19	152	684	11	
Total Tenasserim A	... 5	2	43	...	19	64	69	55	153	7	28	62	181	7	
B	... 18	6	211	3	372	591	609	601	1,162	...	...	601	1,162	8	
C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total	.. 23	8	254	3	390	655	678	656	1,315	7	28	663	1,343	15	

A means cases taken into Court. | B means cases disposed of under section 67 of Indian Forest Act, 1878. | C means undetected cases.

FORM NO 52 —*Statement showing Prosecutions for Breaches of Forest Rules in the Pegu Circle for the year 1894 95*

Forest division.		Cases pending from 1893 94.	New cases of the year: Injury to forest by fire	Unauthorized felling or appropriation of wood and minor forest produce	Grazing without permission or in tracts in which grazing is prohibited	Other offences	Total new cases of the year	Total cases	Disposed of during the year: Convictions — Cases	Convictions — Persons.	Acquittals — Cases	Acquittals — Persons	Total — Cases	Total — Persons	Cases pending at close of year	Remarks.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Thayetmyo	A	—	1	54	—		55	55	50	66	5	28	55	94		
	B			1,063	—		1 063	1 063	1 063	1 067			1 063	1 067	—	
	C		..	7	..		7	7	7				7	..		
	Total		1	1 124	—	—	1 125	1 125	1 120	1 133	5	28	1 125	1 151		
Prome	A	74†	2	157	—	4	163	237	162	167	29	29	222*	22 *	15	*Thirty-one persons absconded from courts and warrants were issued Seven hundred and twenty nine paid fines
	B	97‡	1	624	..	68	693	790	726	729		‡	726	729	64	† Note 59 cases out of 156 under opening balance
	C		4	3		1	8	8	8	8	—		8	8		‡ Have been transferred to A because they were subsequently prosecuted.
	Total	171	7	784	..	73	864	1,035	896	904	29	29	956	964	79	
Tharrawaddy	A	5	2	11		13	13	18	11	23	3	5	14	28	4	
	B	27	—	71	—	7	78	105	55	137	30	7	85	214	20	
	C		1	4			5	5					..		5	
	Tota.	32	3	86		7	96	128	66	160	33	82	99	242	29	
Rangoon	A	1	..	6		2	8	9	5	5	—	..	5	5	4	
	B	..		5	..	14	19	19	18	60	—		18	60	1	
	C	..	—									—				
	Total	1		11		16	27	28	23	65	..	..	3	65	5	
Pegu	A	4	1	17	..	6	24	28	14	65	3	5	17	70	11	
	B	2		74	1	9	84	86	86	213	..	..	86	213		Compensation Rs 1,061
	C		..	..	..				..							
	Total	6	1	91	1	15	108	114	100	278	3	5	103	283	11	
Bassein-Myaungmya	A			2		2	29	29	23	52	4	19	29	71	—	
	B			4	..	2	6	6	6	9	..	..	6	9		
	C									..					..	
	Total		..	31		4	35	35	31	61	4	19	35	80	—	
Henzada-Thôngwa	A		—	15	—	4	19	19	19	24	..	..	19	24		
	B		—	15	—	15	30	30	30	32	—	—	30	32	..	
	C	..	—	—		..				..	..		..	..		
	Total			30	—	19	49	49	49	56			49	56		
Agency	A	—		—		—	8	8	8	8	—	..	8	8	—	
	B	—		..	..	..							—	..		
	C				..											
Tota. Pegu	A	84	6	287	—	18	311	395	286	402 *	44	86	761½	519½	34	‡ Thirty-one persons absconded.
	B	126	1	1,856	1	123	1 981	2 107	1,992	2 255	30	77	2 022	2,332	85	
	C	..	5	14		1	20	20	15	8			15	8	5	
	Total	210	12	2 157	1	142	2 312	2,522	2,293	2 665	74	163	2,798	2 859	124	
GRAND TOTAL, LOWER BURMA		233	20	2,411	4	532	2 967	3,200	2,949	3,980	81	191	3,061	4 202	139	

A means cases taken into Court. | B means cases disposed of under section 67 of Indian Forest Act, 1878 | C means undetected cases

FORM NO. 53—*Statement showing Area of Forest Tracts Protected from Fire in the Tenasserim Circle for the year 1894-95.*

Division.	Forest tract	Year in which protection commenced.	Area protected during 1893-94	Area attempted to be protected	Failures.	Area actually protected.	Cost	Remarks.
1	2	3	4	5	6	7	8	9
			Acres	Acres		Acres	Rs	
West Salween	Sinzwè	1871	8,800	8,950	100	8,850	1,143	
	Wamu	1871	1,920	1,920	...	1,920	172	
	Kahiu	1878	2,544	2,560	.	2,560	343	
	Mèwaing	1877	7,348	7,360	29	7,331	686	
	Minnanwè	1878	3,840	3,840	.	3,840	172	
	Ônkangyi	1877	5,900	6,300	25	6,275	458	
	Bilakatkvi	1877	6,576	6,656	1,805	4,851	458	
	Tagèaung	1885	2,961	3,100	37	3,063	343	
Salween-Attaran	Mepale Thaungyin	1881 to 1890	33,245	33,280	2	33,278	3,709	
	Kyunchaung	1880	10,880	10,880	...	10,880	1,226	
	Dali	1878	7,496	7,500	400	7,100	1,373	
	Natchaung	1883	1,800	5,760	2,760	3,000	823	
	Gôngyi	1889	20	20	...	20	30	
	Thinganyinaung	1890	820	820	..	820	392	
	Pakabo	1892	37	40	...	40	281	
Toungoo	Saing Yané	1887	33,279	33,540	20	33,520	2,343	
	East Swa	1883	17,280	17,280	50	17,230	1,079	
	Boudaung	1884	8,480	8,480	250	8,230	861	
	Kabaung	1884	1,430	2,050	..	2,050	312	
	Pyunchaung	1877	3,437	3,440	11	3,429	464	
Shwegyin	Kyundaung	1890	3,840	4,800	...	4,800	206	
	Total	...	161,933	168,586	5,489	163,097	16,774	

FORM NO. 53.—*Statement showing Area of Forest Tracts Protected from Fire in the Pegu Circle for the year 1894-95.*

Division.	Forest tracts	Year in which protection commenced	Area protected during 1893-94.	Area attempted to be protected	Failures	Area actually protected.	Cost	Remarks.
1	2	3	4	5	6	7	8	9
			Acres.	Acres.		Acres.	Rs.	
Thayetmyo	Tindaw	1890	2,845	2,880	1,280	1,600	454	
	East Yoma	1892	22,040	22,040	2,560	19,480	288	
	Satsuwa	1893	3,200	4,800	1,500	3,300	436	
	Onbuezan	1893	3,200	6,400	4,800	1,600	164	
	Sinmadaung	1893	...	7,680	3,840	3,840	435	
	Thegon	1894		14,080	7,040	7,040	176	
	Kyaukletkya	1894	...	10,880	640	10,240	206	
Prome	Prome plantation	1857	73	73	...	73	61	
	Chaungzauk	1879	12,305	12,325	45	12,280	1,699	
	Middle Nawin	1895	..	1,042		1,042	323	
	Bwet	1877						
	Padinbin	1877	11,399	17,675	2,744	8,931	1,910	
	Kadinzauk	1877						
	Shabaung	1889						
	Kyankkyitaung	1886	2,374	2,374	52	2,322	966	
	Padetmyaung	1886	5,875	5,875	..	5,875	1,039	
Thayawaddy	Nyanle	1877	5,761	5,838	6	5,824	914	
	Lower Payagyi (Taukta)	1888	3,378	3,408	...	3,408	462	
	Bawbin Tonthe	1869	2,189	2,225	19	2,206	537	
	Gwedauksan	1876	285	285	.	285	11	
	Kangyi	1877	4,890	4,914	4,914	...	581	
	Myodwin	1869	60	60	..	60	37	
	Myaung	1876	655	1,860	1,201	659	...	
	Minbla	1876	6,693	6,916	3,276	3,640	734	
	Mokka	1873	16,327	20,242	883	19,359	842	
	Kadin-Bilin	1873	10,289	10,289	1,381	8,908	520	
	Kôn-Bilin	1876	4,381	4,381	...	4,381	399	
	Thônzè	1876	16,821	17,216	...	17,216	812	
	Chaungzank	1894	94	150	86	64	326	
	Myok	1895		150	6	144	209	
Rangoon	Magayi	1872	3,367	3,367	39	3,328	971	
	Kyetpyugan	1868	940	940	...	940	745	
Pegu	Dawe	1883	31,238	31,238	...	31,238	150	
	Tedaw-Sinewe	1886	9,300	9,600	300	9,300	200	
	Total	...	1,79,885	2,25,195	36,612	1,88,583	16,607	
	Grand Total, Lower Burma	...	3,41,818	3,93,781	42,101	3,51,680	33,381	

FORM NO. 54.—*Statement showing Area Closed and Open to Grazing in the Tenasserim Circle for the year 1894-95.*

Division.	Area in square miles.						Remarks.
	Closed to all animals.		Closed to browsers (camels, goats or sheep)		Open to all animals.	Total area.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
Reserved Forests							
West Salween	154	...	154	...	...	154	
Toungoo	1,246	8	1,254	...	..	1,254	
Kado	18	...	18	...	...	18	
Salween-Attaran	819	27	846	..	...	846	
South Tenasserim	803	57	860	...	...	860	
Shwegyin	954	47	1,001	...		1,001	
Total ...	3,994	139	4,133	...	.	4,133	

FORM NO. 54.—*Statement showing Area Closed and Open to Grazing in the Pegu Circle for the year 1894-95.*

Division.	Area in square miles.						Remarks.
	Closed to all animals.		Closed to browsers (camels, goats or sheep).		Open to all animals.	Total area	
	Whole year	Part of year	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
Reserved Forests.							
Thayetmyo	560	...	560	...	...	560	
Prome	474	38	452	..	3	455	
Tharrawaddy	680	58	738	...	...	738	
Rangoon	267	28	295	...	...	295	
Pegu	730	...	730	...	...	730	
Henzada-Thôngwa	150	10	160	...	...	160	
Total ...	2,801	134	2,935	...	3	2,938	
Grand Total, Lower Burma ...	6,795	273	7,068	...	3	7,071	

FORM NO. 55.—*Statement showing Return of Grazing in State Forests in the Tenasserim and Pegu Circles for the year 1894-95.*

Division.	GRAZING ON PAYMENT (NUMBER OF ANIMALS).													GRAZING FREE (NUMBER OF ANIMALS).											Grand total of value at full rates.
	At full rates.						At privileged rates.							By right under settlement.						During pleasure of Government, or otherwise than under settlement.							
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees Received. Actual.	Fees Received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TENASSERIM CIRCLE.						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.
West Salween	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Toungoo	...	...	...	...	...	...	...	...	...	...	...	...	...	1,688	411	...	...	...	947	...	...	...	...	...	...	...	947
Kado	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salween-Attaran	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	60	...	...	...	...	...	...	...	60
South Tenasserim	...	...	...	...	...	...	...	...	...	...	...	...	...	77	...	27	...	13	35	...	...	...	...	...	...	...	35
Shwegyin	...	...	...	...	...	...	...	...	...	...	...	...	...	5,619	...	...	...	...	2,809	...	...	...	...	...	...	...	2,809
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	7,384	411	27	...	19	3,851	...	...	...	...	...	...	...	3,851
PEGU CIRCLE.																											
Thayetmyo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prome	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31,176*	...	...	...	...	...	...	...	31,176
Tharrawaddy	...	...	...	148	68	...	...	...	...	...	...	...	...	247	121	...	...	...	922	...	...	...	...	...	...	...	1,035
Rangoon	...	...	...	268	790	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	661
Pegu	...	...	...	...	134	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bassein-Myaungmya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Henzada-Thôngwa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	414	992	...	...	841	...	...	...	...	...	...	...	247	121	...	...	...	32,098	...	...	...	...	...	...	...	32,872
TOTAL, LOWER BURMA	...	414	992	...	...	841	...	...	...	...	...	...	...	7,631	532	27	...	19	35,949	...	...	...	...	...	...	...	36,723

* Number of animals of each kind not known in all 14,763 were grazing

FORM NO. 56.—*Statement showing Area of Plantations in the Tenasserim Circle for the year 1894-95.*

Division.	Name of plantation.	Area in acres				Receipts	Charges	Remarks.
		On 1st July 1894	Added during the year.	Excluded during the year.	Area on 30th June 1895.	of the year.		
1	2	3	4	5	6	7	8	9
	Regular Plantations.							
Salween-Attaran ...	Thingannyinaung	16	.....	.....	16	.....	.....	
Kado	Shwegun	5'15	.....	.....	5'15	.....	.....	
	Kolôn island	3'8	.....	.....	3'8	.....	.....	
	Total ...	8'95	.....	.....	8 95	....	.....	
Toungoo	Kanni	65	.....	.....	65	.....	.....	
	Pyunchaung	701	.....	.....	701	51	21	
	Total ...	766	.....	.....	766	51	21	
	Total regular plantations ...	790 95	.....	.....	790 95	51	21	
	Cultural Operations.							
South Tenasserim ...	Mergui experimental plantations	111	.....	.....	111	138	977	
Toungoo ...	Bondaung	10	.....	.....	10	.....	.....	
	Total cultural operations ...	121	.....	.....	121	138	977	
	Total regular plantations ...	790 95	.....	.....	790'95	51	21	
	Total cultural operations ...	121	.....	.....	121	138	977	
	Total taungya plantations ...	12,097 50	1,522	.....	13,619'50	.....	25,766	
	Total ...	13,009 45	1,522	.....	14,531 45	189	26,764	

FORM NO. 56.—*Statement showing Area of Plantations in the Pegu Circle for the year 1894-95.*

Division.	Name of plantation.	Area in acres				Receipts	Charges	Remarks.
		On 1st July 1894	Added during the year	Excluded during the year	Area on 30th June 1895.	of the year.		
1	2	3	4	5	6	7	8	
	Regular Plantations.						Rs A. P	
Prome	Prome	73	.....	.....	73	.....	.....	
Tharrawaddy	Bawbin	340	.....	.....	340	.....	.....	
	Myodwin	10	.....	.....	10	.....	.....	
	Kwetmakaung	144	.....	.....	144	.....	140 0 0	
	Total	494	..	.....	494	.....	140 0 0	
Rangoon	Magayi	1,827	15	.....	1,842	.....	1,142 9 6	
	Kyetpyugan	801	.....	.....	801	.....	..	
	Total	2,628	15	.....	2,643	.....	1,142 9 6	
	Total regular plantations	3,195	15	.....	3,210	..	1,282 9 6	
	Cultural Operations							
Prome	Chaungzauk	29	.....	.....	29	..	45 0 0	
	Bwet	611	.....	.....	611	.....	307 0 0	
	Kyankkyitaung	306	2	.....	308	.....	197 0 0	
	Padetmyaung	10	6	.....	16	.....	..	
	Total	956	8	.....	964	.....	547 0 0	
Tharrawaddy	Pazangye	125	.....	.....	125	.....	.....	
	Nyanle	830	.....	.....	830	.....	.....	
	Kaugyi	370	.....	.....	370	.....	18 0 0	
	Mokka	800	.....	.....	800	.....	.....	
	Bilin	208	.....	.....	208	.....	10 0 0	
	Kôn-Bilin	194	7	.....	201	.....	589 0 0	
	Samôn	21	.....	.....	21	.....	.....	
	Mrahla	59*	.....	12	47	.....	151 0 0	* Twelve acres transferred to 56A.
	Thônzè	39	18	.....	57	.....	583 0 0	
	Total	2,646	25	12	2,659	.....	1,351 0 0	
	Total cultural operations	3,602	33	12	3,623	.....	1,898 0 0	
	Total regular plantations	3,195	15	..	3,210	.....	1,282 9 6	
	Total cultural operations	3,602	33	12	3,623	.....	1,898 0 0	
	Total taungya plantations	19,556	2,376	.....	21,932	.....	39,212 0 0	
	Total	26,353	2,424	12	28,765	.....	42,492 9 6	

FORM No. 56A.—*Statement showing Taungya Teak Plantations in the Tenasserim Circle for the year 1894-95*

Division.	Forests.	Year of formation.	Area in acres.				Cost up to 1893-94.		Cost during 1894-95.		Total.	Average cost per acre.	Remarks.
			On 1st July 1894.	Added during the year.	Excluded.	Area on 30th June 1895.	Original cost.	Maintenance.	Original cost.	Maintenance.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
			Acres.	Acres	Acres.	Acres	Rs.		Rs	Rs	Rs	Rs. A. P	
West Salween	Sinwè	1859-70	2,621	295	...	2,916	14,631	12,521	1,233	2,767	31,153	10 10 11	
	Wa-nu	1877-78	155	40	...	195	1,685	146	346	400	1,977	10 2 3	
	Kahilu	1879-80	242	...	...	242	1,140	1,540	...	178	2,858	11 12 11	
	Onkaunggyi	1877-78	1,660	115	...	1,775	6,619	4,070	676	852	12,847	7 3 10	
	Bilakathyi	1877-78	1,044	94	...	1,138	3,426	2,429	395	695	6,945	6 1 8	
	Minnauwè	1877-78	184	31	...	215	668	115	179	167	1,129	5 4 0	
	Mewaing	1878-79	1,848	159	...	2,107	13,320	5,958	1,544	1,390	21,212	10 1 1	
	Tagelaung	1889-90	560	142	...	702	2,430	1,587	721	571	5,249	7 7 8	
	Total	...	8,414	876	...	9,290	43,349	28,007	5,095	6,920	83,371	8 15 7	
Salween-Attaran	Mepale Thaungyin	1882-83 & 1890-91	2,374	275	...	2,649	16,023	10,264	2,973	3,601	32,861	12 6 6	
	Dali ...	1877-78	361	...	...	361	1,807	1,991	...	421	4,219	11 11 0	
	Kyunchaung	1881-82	357	46	...	403	2,950	1,774	801	824	6,349	15 12 1	
	Paktabo	1883-84	48	...	...	48	331	136	286	283	1,036	21 9 4	
	Natchaung	1888-89	89	...	...	89	541	331	...	420	1,292	14 8 3	
	Gôngyi	1898-89	34	...	...	34	174	103	...	...	277	8 2 4	
	Thinganyinaung	1888-89	104	...	...	104	923	681	...	355	1,959	18 13 5	
	Total	...	3,367	321	...	3,688	22,749	15,280	4,060	5,904	47,993	13 0 3	
Toungoo	Yanè	1877-78	560	272	...	832	6,421	2,046	2,606	751	11,824	14 3 5	
	Myohla	1887-88	10	...	...	10	83	101	38	...	222	22 3 2	
	East Swa	1885-84	236	16	...	252	2,252	1,981	111	91	4,435	17 9 7	
	Bendaung	1883-84	24	...	...	24	189	176	...	...	365	15 3 4	
	Kabaung	1880-81	206	...	...	206	1,887	1,172	...	71	3,130	15 3 1	
	Pyunchaung	1884-85	9	...	...	9	411	211	100	5	727	80 12 5	
	Total	...	1,045	288	...	1,333	11,243	5,687	2,855	918	20,703	15 8 6	
Shwegyin	Kyundaung	...	...	...	...	...	150	50	...	...	200	28 9 2	
	Kawiya	...	...	37	...	37	...	...	14	...	14	0 6 1	
	Total	...	...	37	...	37	150	50	14	...	214	4 13 10	
	Plantations other than teak.												
West Salween ...	Kahilu	1893-84	6	...	...	6	35	14	...	...	49	8 2 8	
Salween-Attaran ...	Dali	1885-87	2	...	...	2	14	...	...	...	14	7 0 0	
	Total	...	8	...	...	8	49	14	..	...	63	7 14 10	
	Catch Plantations.												
Toungoo ...	Pyunchaung	1889-90	...	...	...	...	14	28	...	...	42	.....	
	GRAND TOTAL	...	12,834	1,522	...	14,356	77,534	49,066	12,024	13,742	1,52,386	10 9 10	

FORM NO 56A.—*Statement showing Taungya Teak, Cutch, &c., Plantations in the Pegu Circle for the year 1894-95.*

Division.	Forest.	Area in acres				Cost up to 1893-94.		Cost during 1894-95.		Total.	Remarks.
		On 1st July 1894.	Added during the year.	Excluded.	Area on 30th June 1895.	Original cost.	Maintenance	Original cost.	Maintenance		
1	2	3	4	5	6	7	8	9	10	11	12
	Teak Taungyas					Rs	Rs	Rs.	Rs.	Rs.	
Prome ...	Chaungzauk	1,384	106	...	1,490	11,028	10,979	1148	1,437	24,592	
	Bwet	1,392	112	...	1,504	11,607	6,665	969	1,579	20,820	
	Shwele Yoma	...	...	...	...	76	...	...	...	76	
	Padetmyaung	116	72	..	188	985	451	689	174	2,299	
	Kyaukkyidaung	72	...	...	72	550	61	...	143	754	
	Middle Nawin		119	...	119	...	...	1,152	...	1,152	
	Total ...	2,964	409	...	3,373	24,246	18,156	3,958	3,333	49,693	
Thayrawaddy ...	Nvanlè	1,324	102	...	1,426	14,524	8,770	897	1,142	25,333	
	Taungnyo Yoma	...	...	...	...	135	59	...	...	194	
	Thytcho	15	...	...	15	70	4	...	...	74	
	Gwedauksan	81	...	...	81	899	957	...	...	1,856	
	Bawbin Kyaukpyu	...	...	...	...	118	10	...		128	
	Bawbin Chaungwa	910	79		989	9,645	6,894	676	625	17,240	
	Lower Payagyi	525	45	...	570	5,712	2,730	307	495	9,334	
	Kangyi	373	...	...	373	3,301	3,405	...	212	6,918	
	Myodwin	13	...	...	13	115	108	...	...	223	
	Myaung	388	149	...	537	4,888	4,352	1,123	227	10,590	
	Minhla	2,644	337	...	2,981	29,401	19,997	2,994	2,543	54,935	
	Mokka	3,325	323	...	3,648	34,892	35,795	2,186	1,518	74,691	
	Kadin-Bilin	1,075	...	...	1,075	12,510	12,445	...	632	25,587	
	Kon Bilin	333	...	...	333	3,001	4,347	..	289	7,637	
	Thônzè	1,079	45	...	1,124	11,471	8,421	374	978	21,244	
	Total ...	12,085	1,080	...	13,165	1,20,982	1,07,694	8,647	9,661	2,55,984	
Pegu ...	South Zamayi	1,440	74	...	1,514	16,989	8,418	496	1,542	26,965	
	Total teak taungyas ...	16,489	1,563	...	18,052	1,70,737	1,34,268	13,101	14,536	3,32,642	

FORM No. 56A.—*Statement showing Taungya Teak, Cutch &c., Plantations in the Pegu Circle for the year 1894-95.*

Division.	Forest.	Area in acres				Cost up to 1893-94		Cost during 1894-95.		Total.	Remarks.
		On 1st July 1894	Added during the year	Excluded.	Area on 30th June 1895.	Original cost.	Maintenance.	Original cost.	Maintenance		
1	2	3	4	5	6	7	8	9	10	11	12
	Cutch Taungyas.					Rs	Rs	Rs	Rs.	Rs.	
Thayetmyo	Satsawa	21	120		141	281	4	608	72	957	
	Ohnnesan	...	9	...	9	10	...	24	16	50	
	Stamadaung	...	16	...	16	5	...	148	5	158	
	Total	21	145	...	166	296	4	772	93	1,165	
Prome	Chaungzauk	38	...	...	38	350	467	...	...	817	
	Kyaukkyidaung	33	...	...	33	342	389	...	...	731	
	Padetmyaung	91	...		91	663	909	...	...	1,572	
	Total	162	...	...	162	1,355	1,765	...	...	3,120	
Tharrawaddy	Kangyi	41	...	...	41	427	199	..	40	666	
	Chaungzauk	142	81	...	223	1,151	352	519	344	2,366	
	Myole	...	129	...	129	165	...	1,344	...	1,410	
	Total	183	210	...	393	1,744	551	1,763	384	4,442	
	Total cutch taungyas	366	355	...	721	3,395	2,320	2,535	477	8,727	
	Teak and Cutch Taungyas										
Thayetmyo	Tindaw	434	59	...	493	4,060	2,247	442	802	7,661	
	East Yoma	991	232	...	1,223	8,105	1,759	779	1,332	11,975	
	Kwaukletkya	...	39	...	39	...	...	346	97	443	
	Tnegôn	...	16	...	16	...	...	191	...	191	
	Total	1,425	346	...	1,771	12,165	4,006	1,758	2,231	20,270	
Prome	Chaungzauk	590	...	...	590	3,839	5,550	...	...	9,389	
	Padetmyaung	380	...	...	380	3,185	3,530	...	617	7,332	
	Kyaukkyidaung	295	88	...	383	2,278	3,158	411	230	6,075	
	Bwet	11	24	...	35	103	343	252	...	702	
	Total	1,276	112	...	1,388	9,410	12,578	663	847	23,498	
	Total teak and cutch taungyas	2,701	458	...	3,159	21,595	16,584	2,421	3,168	43,768	
	Total teak taungyas	16,489	1,583	...	18,052	1,70,737	1,34,168	13,101	14,536	3,32,642	
	Total cutch taungyas	366	355	...	721	3,395	2,320	2,535	477	8,727	
	Total teak and cutch taungyas	2,701	458	...	3,159	21,595	16,584	2,421	3,168	43,768	
	Seed for year of 1895	...	...	...	...	...	...	2,974	..	2,974	
	Total Pegu	19,556	2,376	...	21,932	1,95,727	1,53,172	21,031	18,181	3,88,111	

FORM NO. 57.—*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Tenasserim Circle for the year 1894-95.*

Division.	Timber in the rough logs.					Timber in the rough poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24.	25	26	27
I.—RESERVED FORESTS.	C. feet.	C. feet	C. feet.	C. feet	C. feet.	C. ft.	C. feet.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft	C. ft.	C. ft	C. feet.	C. ft.	C. ft.	C. ft.	C. ft.	C. feet	C. ft.	C. ft.	C. feet.	C. feet.
West Salween ...	38,304	...	...	...	38,304	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38,304
Toungoo	10,284	100,648	...	3,280	114,212	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	9,144	9,144	123,356
Salween-Attaran ...	194,625	...	...	...	194,625	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	194,625
South Tenasserim ...	...	...	...	...	...	...	...	...	885	885	...	...	..	...	...	...	...	...	...	...	.	...	...	...	...	885
Shwegyin	...	225,000	...	...	225,000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	225,000
Total ...	243,313	325,648	...	3,280	572,141	...	...	...	885	885	...	...	...	..	...	...	...	...	...	...	...	...		9,144	9,144	582,170
II.—PROTECTED FORESTS																										
Nil.																										
III.—UNCLASSED FORESTS																										
West Salween ..	104,301	25,015	250	...	129,576	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	129,576
Toungoo	185,439	857,100	2 650	...	1,045,189	.	6,462	...	...	6,462	...	...	...	...	...	...	...	...	...	...	...	458,422	...	...	458,422	1,510,073
Kado	65,436	105,165	1,325	...	171,926	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	311,700	...	...	311,700	483,626
Salween-Attaran ...	191,842	408,219	1,050	50,085	651,196	...	32,100	...	...	32,100	...	...	...	...	...	...	...	...	...	...	...	304,627(*f*) 92,400(*c*)	...	...	[304,627(*f*) 92,400(*c*)	1,080,323
South Tenasserim ...	...	425,551	1,650	...	428,201	...	32,223	...	..	32,223	...	...	...	...	...	...	...	...	...	...	.	293,142(*f*) 16,100(*c*)	...	..	293,142(*f*) 16,100(*c*)	769,666
Shwegyin	87,443	390,207	5,453		483,193	..	4,400		...	4,400	...	...	...	...	...	...	...	...	...	...	...	198,493	...	...	198,493	686,086
Total ...	634,451	2,211,347	12,388	50,085	2,909,281	..	75,185	...	...	75,185	...	...	...	...	...	...	...	...	...	...	...	1,674,884	...	...	1,674,884	4,659,350
GRAND TOTAL ...	877,674	2,537,995	12,388	53,365	3,481,422	...	75,185	.	885	76,070	...	...	...	...	...	...	...	...	...	...	...	1,674,884	...	9144	1,684,028	5,241,520

(*f*) Firewood | (*c*) Charcoal.

FORM NO. 57.—*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Pegu Circle for the year 1894-95.*

District.	Description of details.	Timber in the rough logs.					Timber in the rough poles					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
		Government	Purchasers.	Free grantees	Right-holders.	Total.	Government	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees	Right-holders.	Total	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	I.—Reserved Forests.	Cubic feet.	Cubic feet.	Cubic feet	Cubic feet	Cubic feet	C. feet.	Cubic feet.	C. feet.	C. feet.	Cubic feet.	C. feet.	Cubic feet.	C. feet.	C. feet.	Cubic feet.	C. feet.	No.	Cubic feet.	Cubic feet.	No.	C. feet.	Cubic feet.	C. ft.	C. ft.	Cubic feet.	Cubic feet.
Thavetmyo	Teak	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prome	Teak	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tharrawaddy.	Teak	825,600	...	...	...	825,600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	825,600
	Reserved woods	24,370	963	...	...	25,333	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25,333
	Unreserved woods	...	7,001	...	...	7,001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,825	...	...	10,825	17,826
Rangoon	Teak	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pegu	Teak	80,550	...	...	...	80,550	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80,550
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bassein	Teak	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	1,350	...	...	1,350	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,350
Henzada	Teak	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	936	...	...	936	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	936
	II.—Unreserved Forests.																										
Thaymetyo	Teak	20,514	3,581	1,150	..	25,278	...	...	...	...	...	...	603	...	...	603	...	...	...	...	...	...	...	...	...	...	25,891
	Reserved woods	...	18	..	...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
	Unreserved woods	...	112,370	...	...	112,370	...	44,375	...	...	44,375	...	...	...	...	...	...	...	...	...	...	...	815,534	...	...	815,534	972,179
Prome	Teak	89,131	6,427	475	...	96,093	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	96,093
	Reserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods	...	139,295	..	...	139,295	...	2,300	...	...	2,300	...	...	...	...	...	...	...	...	...	...	...	442,735	...	...	442,735	584,330
Tharrawaddy.	Teak	66,555	10,974	922	...	78,391	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	78,391
	Reserved woods	...	941	..	...	941	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	941
	Unreserved woods	...	1,399,425	...	...	1,399,425	...	...	...	...	...	...	1,886	...	...	1,886	...	...	...	...	...	...	24,940	...	...	24,940	1,426,251
Rangoon	Teak	420	6,335	322	...	7,077	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7,077
	Reserved woods	...	8,149	.	...	8,149	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,149
	Unreserved woods	147	100,496	.	.	100,643	...	100	..	...	100	...	..	...	...	...	...	..	...	...	...	...	2,645,570	...	...	2,645,570	2,746,313

FORM NO 57 —*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Pegu Circle for the year 1894 95*—concluded

Division	Description of details	Timber in the rough logs					Timber in the rough poles					Sawn or squared timber					Miscellaneous					Fuel					Total
		Government	Purchasers	Free grantees	Right holders	Total	Government	Purchaser	Free grantees	Right holders	Total	Government	Purchasers	Free grantees	Right holders	Total	Government	Purchasers	Free grantees	Right holders	Total	Government	Purchasers	Free grantees	Right holders	Total	Outturn
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	II —Unreserved Forests—concluded.		Cubic feet.	Cubic feet	Cubic feet	Cubic feet.	C feet.	Cubic feet	C feet	C feet	Cubic feet	C feet.	Cubic feet	C feet.	C feet.	Cubic feet	No	No	No	No	No	C ft.	Cubic feet.	C feet	C. feet.	Cubic feet.	Cubic feet.
Pegu	Teak	108	94	1 185		1 379																					1,379
	Reserved woods		23 573			23 573																					23 573
	Unreserved woods		46,568		7	46,568		18,050			18 050		680			680							512 285			5 2 285	577,583
Bassein	Teak	912	356			1 268																					1 268
	Reserved woods		7 535	1 300		8,835																					8 835
	Unreserved woods	3,050	853,365	9 000		866,415		139, 50			129,750																1,421 889
Henzada	Teak		1,581			1 581																					1,581
	Reserved woods		978	500		1 4 8																					1,478
	Unreserved woods		207,351	3,583		210,934		671 662			671,662												352,495			352,495	1 235 091
Agency	Teak																										
	Reserved woods																										
	Unreserved woods		63,021			63,021																					
	Total Reserved Forests																						601 267			601,267	664 288
Total	Teak	906,150				906 150																					906 150
	Reserved woods	24,370	963			25,333																					25,333
	Unreserved woods		9,287			9,287																	10,825			10 825	30 112
	Total	930,520	10 250			940,770																	10,825			10,825	951 595
	Total Unreserved Forests																										
	Teak	177,662	29,351	4,054		211,067							603			603											211,670
	Reserved woods		41 194	1,800		43,994																					42 994
	Unreserved woods	3 197	2 926,791	8,583		2,938,571		866,237			866,237		2 566			2 566							5,810 040	12,500		5,822,540	9,629 914
	Total	180 859	2,997,336	14,437		3,192,632		866237			866 237		3 169			3,169							5,810,040	12,500		5,822 540	9 884,578
	Grand Total																										
	Teak	1,083,812	29,351	4,054		1,117,217							603			603											1,117,820
	Reserved woods	24,370	43,157	1,800		68,327																					68,327
	Unreserved woods	3,197	2,936 0 8	8,583		2 947,858		866 237			866,237		2,566			2,566							5,820,865	12,500		5 833,365	9,650,026
	Grand Total	1,211,379	3,007,586	14,437		4,133,402		866,237			866,237		3,169			3,169							5,820,865	12,500		5 833,365	10,836 173

FORM NO 58.—*Statement showing Outturn of Minor Forest Produce in the Tenasserim Circle for the year 1894-95.*

Division.	Description of produce.	PRODUCE REMOVED OR UTILIZED.										Remarks.
		By Government agency.		By purchasers.		By free grants		By right-holders		Total.		
		Quantity	Value.	Quantity	Value	Quantity	Value.	Quantity.	Value.	Quantity	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	I.—RESERVED FORESTS.		Rs		Rs		Rs.		Rs		Rs	
Toungoo Shwegyin	Thekke — — Bundles	— —	— —	450 6,300	4 31	— —	— —	6,950	18 —	7,400 6,300	22 31
	Total	—	—	6,750	35	—	—	6,950	18	13,700	53
Shwegyin	Saiu — — — Bundles	—	—	7,890	198	—		541	14	8,431	212
Toungoo Shwegyin	Shaw — — — Viss	— —	— —	— 50	— 5	— —	— —	1,270 —	63 —	1,270 50	63 5
	Total	—	—	50	5		—	1,270	63	1,320	68
Toungoo	Kanyin — — — Viss	—	—	450	30	—	—	—	—	450	30
Toungoo	Honey — — — Viss	—	—	100	10	—	—	—	—	100	10
Toungoo South Tenasserim Shwegyin	Bamboos — — — No	— — —	— — —	2,11,580 34,670 136,150	533 130 340	— — —	— — —	47,500 4,500 —	119 17 —	259,000 39,170 136,150	652 147 340
	Total	—	—	382,320	1,003	—	—	52,000	136	434,320	1,139
Toungoo South Tenasserim Shwegyin	Canes — — — No	— — —	— — —	1,800 1,550 410	350 31 102	— — —	— — —	— 895 —	— 18 —	1,800 2,445 410	350 49 102
	Total	—		3,760	483	—	—	895	18	4,655	501
Toungoo	Buffaloes and bullocks — — —	—	—	—	—	—	—	2,099	947	2,099	947
Toungoo	Bamboo shoots — — Baskets	—	—	20	4		—	—	—	20	4
Toungoo	Thitsi — — — Viss	—	—	900	60	—	—		—	900	60
	Total reserved forests —	—	—	—	1,888	—	—	—	1,196	—	3,024
	II.—UNPROTECTED FORESTS. *Nil*											
	III.—UNCLASSED FORESTS.											
West Salween Toungoo Kado South Tenasserim Salween-Attaran Shwegyin	Wood oil — — — Viss	— — — — — —	— — — — — —	300 22,625 1,282 249,550 9,700 9,800	6 362 90 4,871 194 196	— — — — — —	— — — — — —	— — — — — —	— — — — — —	300 22,625 1,282 249,550 9,700 9,800	6 362 90 4,871 194 196
	Total	—		284,257	5,659		—	—	—	284,257	5,659
Toungoo Shwegyin	Thatch — — — No.	— —	— —	630,450 402,850	1,617 2,260	— —	— —	— —	— —	630,450 492,850	1,617 2,260
	Total	—	—	1,123,300	3,877	—	—	—	—	1,123,300	3,877

FORM NO. 58.—*Statement showing Outturn of Minor Forest Produce in the Tenasserim Circle for the year 1894-95*—concluded.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government Agency		By purchasers.		By free grants		By right-holders.		Total		
		Quantity.	Value.	Quantity.	Value	Quantity.	Value.	Quantity.	Value	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	
	III.—UNCLASSED FORESTS—concluded		Rs		Rs		Rs.		Rs.		Rs	
Toungoo	Bamboos ... ... No	...	...	344,500	611	..	...	...	...	344,500	611	
Kado		...	...	629,980	1,575	...	...	...	...	629,980	1,575	
Salween-Attaran ...		...	...	395,610	989	...	...	...	...	395,610	989	
West Salween ...		...	...	175,150	439	...	...	...	...	175,150	439	
South Tenasserim ...		...	...	392,375	981	...	...	...	...	392,375	981	
Shwegyin ...		..	...	1,139,850	2,874	...	...	...	...	1,139,850	2,874	
	Total ...	...	...	3,077,465	7,469	...	...	...	...	3,077,465	7,469	
Shwegyin	Shaw ... ... Viss	...	...	450	45	-	...	...	...	450	45	
Toungoo ...		...	...	10,000	75	...	..	...	...	10,000	75	
South Tenasserim ...		...	...	4,500	225	...	...	...	...	4,500	225	
West Salween ...		...	...	1,500	75	—	—	...	...	1,500	75	
	Total ...	...	...	16,450	420	...	...	...	...	16,450	420	
West Salween ...	Canes ... ... No.	...	...	57,855	301	...	...	...	...	57,855	301	
Toungoo ...		...	...	11,000	1,845	...	...	...	...	11,000	1,845	
Kado ...		...	...	69,578	305	...	...	...	...	69,578	305	
Salween Attaran ...		-	...	138,324	648	...	..	...	...	138,324	648	
South Tenasserim ...		...	...	11,293,550	3,478	...	...	...	...	11,293,550	3,478	
Shwegyin ...		...	...	7,213	603	..	..	...	...	7,213	603	
	Total ...		...	11,577,520	7,180	...	...	...	...	11,577,520	7,180	
Toungoo ...	Honey and wax	...	...	710	71	...	...	...	...	710	71	
South Tenasserim ...		...	...	400	40	...	...	...	...	400	40	
Shwegyin ...		...	...	4,050	405	...	...	...	...	4,050	405	
	Total ...	..	...	5,160	516	...	...	...	-	5,160	516	
Toungoo	Lime stone	...	...	...	30		...	..	.	...	30	
Toungoo	Pwenyet	...	...	400	16	...	...	...	..	400	16	
Toungoo ...	Tazinban ... ... No	...	...	12	6	...	...	...	...	12	6	
Shwegyin ...		...	...	36	66	...	...	...	...	36	66	
	Total ...	...	..	48	72	...	...	...	.	48	72	
Toungoo	Gamonban	...	...	...	2	...	...	...	..	...	2	
Toungoo	Bamboo shoots...	...	...	220	44	...	...	...	...	220	44	
Southern Tenasserim ...	Cardamoms	...	...	..	2,490	...	...	...	...	...	2,490	
Shwegyin	Salu	...	..	24,400	61	-	...	...	...	24,400	61	
Shwegyin	Thin	...	...	152	304	...	...	...		152	304	
South Tenasserim ...	Ondon bark ... ... Tree	...	...	950	95	...	...		...	950	95	
	Pyu bark ... ... ,,	...	...	1,540	154	...	...	...	...	1,540	154	
	Malaka ... ... ,,	...	...	22	33	...	...	...	...	22	33	
	Kalamet ... . Viss	...	...	700	14	...	...	...	...	700	14	
	Tônowe ... ... ,,	...	...	6,900	26	...	...	...	...	6,900	26	
	Total unreserved forests ...	...	...		28,452	...	...	...	...	...	28,452	
	GRAND TOTAL ...	...	...	...	30,380	...	...	...	1,196	...	31,476	

FORM NO. 58.—*Statement showing Outturn of Minor Forest Produce in the Pegu Circle for the year 1894-95.*

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency.		By purchasers.		By free grants.		By right-holders.		Total.		
		Quantity	Value.	Quantity	Value.	Quantity	Value	Quantity	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	Reserved Forests.		Rs.		Rs.		Rs.		Rs.		Rs.	
Thavetmyo Prome Tharrawaddy Rangoon Henzada	Shaw and other fibre ... ... Viss	... ...	... ...	3,100 3,000 31,514 10,500 1,500	31 30 317 105 15	... ...	... ...	... ...	... ...	3,100 3,000 31,514 10,500 1,500	31 30 317 105 15	
	Total ...	...	...	49,614	498	...	...	...	...	49,614	498	
Thayetmyo Prome Tharrawaddy	Wood-oil and resin ... ... Viss	... ...	... ...	1,600 1,200 750	64 30 30	... ...	... ...	... ...	... ...	1,600 1,200 750	64 30 30	
	Total ...	...	...	3,550	124	...	...	...	...	3,550	124	
Thayetmyo Rangoon	Betel-leaves	... ...	... ...	100 1	1 80	... ...	... ...	... ...	... ...	100 1	1 80	
	Total ...	...	...	101	81	...	...	...	...	101	81	
Tharrawaddy Rangoon	Cigar-leaves ... ... Viss	... ...	... ...	76,700 9,290,000	77 232	... ...	... ...	... ...	... ...	76,700 9,290,000	77 232	
	Total ..	...	...	9,366,700	309	...	...	...	...	9,366,700	309	
Tharrawaddy	Beeswax ... ... Viss	...	...	100	10	...	...	...	...	100	10	
Tharrawaddy Rangoon	Thatch ... ... Viss	... ...	... ...	1 7	1 14	... ...	... ...	... ...	... ...	1 7	1 14	
	Total ...	...	...	8	15	...	...	...	...	8	15	
Tharrawaddy Rangoon Pegu	Sals ... Viss	... ...	... ...	17,600 2 12,500	20 4 25	... ...	... ...	... ...	... ...	17,600 2 12,500	20 4 25	
	Total .	...	...	30,102	49	...	...	...	...	30,102	49	
Tharrawaddy Rangoon	Fruits ... Baskets	... ...	... ...	76 44	16 16	... ...	... ...	... ...	... ...	76 44	16 16	
	Total ...	...	...	120	32	...	...	...	...	120	32	
Rangoon Pegu	Thin cart-loads ... Carts	... ...	... ...	8 3	32 13	... ...	... ...	... ...	... ...	8 3	32 13	
	Total ...	...	...	11	45	...	...	...	...	11	45	

FORM No. 58 —*Statement showing Outturn of Minor Forest Produce in the Pegu Circle for the year 1894-95*—concluded.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency.		*By purchasers.*		*By free grants.*		*By right-holders.*		*Total.*		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	RESERVED FORESTS.		Rs.				Rs.		Rs.		Rs.	
Pegu	Creepers No.	...	...	600	24	...	...	...	...	600	24	
Henzada	Lac Licenses	...	...	8	64	...	...	...	...	8	64	
Thayetmyo	Bamboos Hds.	...	...	1,705	426	...	...	...	...	1,705	426	
Prome		...	...	284	71	...	...	...	...	284	71	
Tharrawaddy		...	...	17,676	4,419	...	...	172	42	17,848	4,461	
Rangoon		...	...	3,039	760	...	...	...	...	3,039	760	
Pegu		...	...	10,949	2,738	...	...	...	...	10,949	2,738	
Bassein-Myaungmya		...	...	80	20	...	...	...	...	80	20	
Henzada-Thôngwa		...	...	85	21	...	...	...	...	85	21	
Agency		...	...	4	2	...	...	...	...	4	2	
	Total	...	...	33,822	8,457	...	...	172	42	33,994	8,499	
Rangoon	Canes	...	...	15	15	...	...	...	...	15	15	
Pegu		...	...	31	138	...	...	...	...	31	138	
	Total	...	...	46	153	...	...	...	...	46	153	
	Total reserved forests	...	...	...	9,861	...	...	172	42	...	9,993	
	UNRESERVED FORESTS.											
Thayetmyo	Shaw and other fibre Viss	...	...	3,900	198	...	...	...	...	3,900	198	
Prome		...	...	24,300	105	...	...	...	...	24,300	105	
Pegu		...	...	6,000	60	...	...	...	...	6,000	60	
Henzada		...	...	15	2	...	...	...	...	15	2	
	Total	...	...	34,215	365	...	...	...	...	34,215	365	
Thayetmyo	Wood oil and resin Viss	...	...	4,600	92	...	...	...	...	4,600	92	
Prome		...	...	13,800	92	...	...	...	...	13,800	92	
Tharrawaddy		...	...	1,450	58	...	...	...	...	1,450	58	
Pegu		...	...	6,600	132	...	...	...	...	6,600	132	
Bassein-Myaungmya		...	...	500	10	...	...	...	...	500	10	
	Total	...	...	26,950	384	...	...	...	...	26,950	384	
Thayetmyo	Cutch and bark Viss	...	...	3,712	594	...	...	...	...	3,712	594	
Tharrawaddy	Beeswax Viss	...	...	500	50	...	...	...	...	500	50	
Thayetmyo	Extraction of certain bark Viss	...	...	1,000	120	...	...	...	...	1,000	120	

Pegu	Thin	Carts	...	...	13	52	...	...	...	...	13	52
Bassein-Myaungmya ...			...	...	129	605	...	...	...	...	129	605
		Total ...	...	...	142	657	...	...	...	...	142	657
Pegu	Sain	Carts	...	...	1,124	2,248	...	...	...	...	1,124	2,248
Pegu	Thatch	Carts	...	...	1,095	579	...	...	...	...	1,095	579
Pegu	Taungsin	No	...	...	771,250	48	...	...	...	...	771,250	48
Pegu	Taungtan	No	...	...	54,500	109	...	...	..	...	54,500	109
Pegu	Creepers	No.	...	...	177½	8	...	...	...		177½	8
Pegu	Kyu Wa	Carts	...	...	3	3	...	...	...	...	3	3
Pegu	Laterite	Cubic feet	...	...	41,200	41	...	...	...	...	41,200	41
Bassein-Myaungmya	Tazinban	...	...	...	14	42	...	...	...	...	14	42
Prome	Lac	Viss	...	...	1,100	88	...	...	...	...	1,100	88
Henzada-Thôngwa			...	...	263	169	...	...	...	...	263	169
		Total ...	...	...	1,363	257	...	...		...	1,363	257
Thayetmyo	Bamboos	Hds.	...	...	30,515	7,629	...	...	...	...	30,515	7,629
Prome			...	...	19,950	5,035	...	...	...	...	19,950	5,035
Tharrawaddy			...	...	335	84	...	...	...	...	335	84
Pegu			...	...	18,541	4,670	...	...	...	...	18,541	4,670
Bassein-Myaungmya ...			...	...	40,451	10,166	... 50	... 12	...	...	40,501	10,178
Henzada-Thôngwa			...	...	6,495	1,645	...	...	...	...	6,495	1,645
		Total ...	...	...	116,287	29,229	50	12	...	...	116,337	29,241
Pegu	Canes	Hds	...	...	229	660	...	...	...	...	229	660
Bassein-Myaungmya ..			...	...	7,068	8,356	...	...	...	...	7,068	8,356
Henzada-Thôngwa			...	...	492	586	...	...	...	...	492	586
		Total ...	...	...	7,789	9,602	...	...	...	...	7,789	9,602
		Total unreserved forests ...	...	...	...	44,336	...	...	...	...	...	44,336
		Total reserved forests ..	...	...	...	9,861	...	...	...	...	...	9,861
		Total, Pegu Circle ...	...	...	...	54,197	...	...	...	...	...	54,197
		Arakan ...	...	...	...	201	...	...	...	...	...	201
		GRAND TOTAL ...	...	...	...	54,398	...	...	...	...	...	54,398

FORM NO. 59.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of in the Tenasserim Circle for the year 1894-95.*

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.	Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	1	2	3	4	5
TENASSERIM CIRCLE.					TENASSERIM CIRCLE.				
Opening Balance.					*Removed by purchasers from depôts.*				
SALWEEN-ATTARAN.					Teak logs, pieces, and crooks	28,781	760,115		
Teak logs, pieces, and crooks	1,365	36,003			Teak poles ...	269	538		
Padauk logs ...	181	5,630			Padauk logs ...	89	4,355		
Pyinma logs ...	835	36,218			Pyinma logs ...	893	53,477		
Kanyin logs ...	4	185			Kanyin logs ...	156	9,852		
Thitka logs ...	5	195			Thitka logs ...	5	195		
Padauk squares ...	298	9,114			Unreserved wood logs ...	30	1,723		
Pyinma sleepers ...	4	16			Pyinma scantlings ...	22	1,100		
Teak scantlings ...	1	62			Pyinkado logs ...	9	448		
Pyinma scantlings ...	4	212			Drift teak logs ...	4,657	88,810		
Padauk scantlings ...	2	73			Drift woods other than teak ...	22	1,070		
Pyinkado posts ...	7	81			Confiscated logs other than teak.	135	304		
Thingan hulis ...	3	266			Waif other than teak ...	15	1,779		
			2,909	88,055	Pyinkado scantlings, &c. ...	37	135		
WEST SALWEEN.								35,090	923,902
Teak logs, pieces, and crooks	1,860	14,196			*Used, lost, drifted, &c.*				
Pyinma logs ...	29	221			Teak drift logs ...	133	6,074		
Kanyin logs ...	2	89			Pyinma logs ...	92	1,840		
Pine logs ...	9	270			Padauk logs ...	71	1,846		
			1,900	14,776	Teak scantlings ...	1	62		
KADO DIVISION.					Pyinma planks and scantlings.	65	3,274		
Teak logs ...	383	3,830			Padauk scantlings ...	2	73		
Pyinma logs ...	774	7,904			Pyinma sleepers ...	4	16		
Kanyin logs ...	32	2,413			Unreserved wood drift logs ...	2	86		
Drift teak logs ...	7,478	212,181						370	13,371
Drift woods other than teak ...	23	1,070			*Made over to claimants.*				
			8,092	227,398	Drift teak logs ...	29,443	1,544,758		
Foreign teak logs ...	93,336	5,306,677			Drift logs other than teak ...	3	135		
Foreign woods other than teak.	117	6,523						29,446	1,544,893
			93,653	5,313,200	*Transferred to Agency Division.*				
SOUTH TENASSERIM.					Teak drift logs ...	353	7,302		
Padauk logs ...	26	2,669						353	7,302
Pyinkado logs ...	9	448			*Sold locally.*				
Kanyin logs ...	73	4,096			Teak logs ...	45	1,969		
Thitwin logs ...	17	1,427			Thingan hulis ...	2	105		
Drift logs other than teak ...	9	457			Unreserved wood logs ...	180	13,355		
Confiscated logs other than teak.	1	18						227	15,429
Waif logs other than teak ...	...	...			*Logs cleared from depôt on payment of duty.*				
Pyinkado sleepers ...	3	4			Foreign teak logs ...	136,730	3,774,112		
Pyinkado scantlings ...	79	301			Foreign logs other than teak	32	2,920		
			217	9,430	*Converted in Depôts.*			136,762	3,777,032
					Teak logs ...	12	324		
					Pyinma logs ...	135	4,860		
								147	5,184
Total opening balance ...	...	...	106,771	5,852,849	Total disposal ...	...	...	202,395	6,287,102
Carried over ...	...	...	106,771	5,852,849	Carried over ...	...	...	202,395	6,287,102

FORM NO. 59.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of in the Tenasserim Circle for the year 1894-95*—concluded.

Particulars	Number or quantity	Cubic feet	Total of each head: Number or quantity	Total of each head: Cubic feet	Particulars	Number or quantity	Cubic feet	Total of each head: Number or quantity	Total of each head: Cubic feet
1	2	3	4	5	1	2	3	4	5
TENASSERIM CIRCLE —concluded.					TENASSSRIM CIRCLE —concluded				
Brought forward ...	...	...	106,771	5,852,849	Brought forward ...	...	...	202,395	6,387,108
Received in transfer from the Pegu Circle on account of Toungoo and Shwegyin Divisions.					*Closing balance.*				
					KADO DIVISION.				
Teak at Rangoon depôt ...	1,090	59,805			Teak logs ...	167	1,660		
					Pyinma logs ...	62	2,304		
Padauk logs ...	18	507			Kanyin logs ...	3	225		
					Drift teak logs ..	9,835	235,227		
Drift teak logs .	910	40,640			Drift logs other than teak ...	43	1,550		
					Canoes (drift logs) ...	2	150		
Drift woods other than teak ...	16	720						10,112	241,116
					Foreign teak logs ...	82,687	5,524,140		
Received from the forests in depôts.			2,034	100,872	Foreign logs other than teak	122	5,609		
								82,809	5,529,749
Teak logs, pieces, and crooks...	28,933	827,856			SALWEEN-ATTARAN.				
					Teak logs ...	1,501	34,415		
Teak poles ...	269	538			Padauk logs ...	261	12,229		
					Pyinma logs ...	2	118		
Padauk logs ..	318	11,729			Pyinkado posts ...	7	81		
					Thingan hulls ...	3	266		
Pyinma logs ...	406	33,222			Padauk squares ...	49	1,519		
								1,823	48,628
Kanyin logs ...	48	3,204							
					Padauk logs ...	34	1,598		
Unreserved wood logs ...	40	1,035			Pyinma logs ...	260	14,066		
					Padauk squares ...	249	7,595		
Drift teak logs ...	37,462	1,687,330			Pyinma scantlings ...	13	648		
					Unreserved wood logs ...	26	658		
Drift logs other than teak ...	40	1,554						582	25,465
					WEST SALWEEN.				
Waif logs other than teak ..	15	1,779			Teak logs ..	500	12,515		
					Pine logs ...	9	270		
Confiscated logs other than teak.	134	286						509	12,785
					TOUNGOO.				
Received from the forests and sold locally.			67,565	2,568,623	Teak logs ..	2,575	124,394		
					Teak drift logs —	323	8,120		
Teak logs ...	45	1,969			Drift logs other than teak ...	2	90		
					Padauk logs ...	18	507		
Thingan hulls ...	2	105						2,918	133,111
					SHWEGYIN.				
Unreserved wood logs ...	180	13,355			Teak logs ...	295	7,467		
					Teak drift logs ...	1,106	49,770		
Received by conversion in depôts.			227	15,429	Drift logs other than teak ...	16	720		
								1,417	57,957
Pyinma planks and scantlings.	96	4,810			SOUTH TENASSERIM.				
					Pyinkado scantlings ...	45	170		
Foreign timb			96	4,810	Thitmin logs ...	1	81		
								46	251
Teak logs ...	125,881	3,791,575							
Logs other than teak ..	37	2,006							
			125,918	3,793,581					
Total receipts ...	...	...	195,840	6,483,315	Total closing balance ...	...	...	100,216	6,049,052
GRAND TOTAL ...	...	...	303,611	12,336,164	GRAND TOTAL ...	...	...	303,611	12,336,164

FORM NO. 59.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally for the year 1894-95.*

Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	TOTAL OF EACH HEAD. Cubic feet.	Particulars.	Number or quantity.	Cubic feet.	TOTAL OF EACH HEAD. Number or quantity.	TOTAL OF EACH HEAD. Cubic feet.
1	2	3	4	5	6	7	8	9	
PEGU CIRCLE.					PEGU CIRCLE.				
OPENING BALANCE.					*Transferred to Rangoon Depôt.*				
Teak logs.					Teak logs	21,450	1,352,097		
Thayetmyo	256	4,865			Drift teak logs	498	28,515		
Prome	267	5,120			Drift logs other than teak ...	17	727	21,965	1,381,339
Tharrawaddy	80	4,000			*Transferred to other depôts.*				
Rangoon	22	630			Teak logs	2,636	142,781		
Pegu	219	2,833			Drift teak logs	251	13,486		
Bassein-Myaungmya ...	69	1,715			Drift logs other than teak ...	2	36	2,889	155,903
Agency	16,049	808,341	16,962	827,504	*Used, lost, stolen, &c.*				
Teak logs from paddy-fields.					Teak logs	26	1,391		
Tharrawaddy	1,536	26,102	1,536	26,102	Teak logs from paddy-fields...	102	1,898	128	3,189
Drift teak logs.					*Drift logs returned to claimants.*				
Thayetmyo	65	4,678			Teak logs	724	51,744		
Prome	5	75			Logs other than teak ...	7	380	731	51,424
Bassein-Myaungmya ...	308	15,868			*Sold locally.*				
Agency	98	3,351	476	23,972	Teak logs	552	15,248		
Drift logs other than teak.					Teak logs from paddy-fields...	1,720	30,172		
Bassein-Myaungmya ...	6	150			Logs other than teak ...	242	4,025		
Agency	12	532	18	682	Drift teak logs	341	16,743		
					Drift logs other than teak ...	68	3,404	2,924	74,092
Total opening balance ...			18,992	877,960	*Sold from Rangoon depôt.*				
Received from forests.					Teak logs	24,106	1,477,005		
					Drift teak logs	806	43,123		
Teak logs	31,865	1,364,840			Drift logs other than teak ...	29	1,311	24,941	1,520,439
Teak logs from paddy-fields ...	1,958	56,054			*From Rangoon depôt transferred to Tenasserim Circle.*				
Logs other than teak ...	291	18,256			Teak logs	1,090	59,005	1,090	59,005
Teak scantlings	10	10							
Gain on remeasurement ...	...	704	24,124	1,449,864	Total of disposals ...			54,668	3,245,391
Drift collected.					CLOSING BALANCE.				
Teak logs	1,622	97,049			Thayetmyo	191	3,658		
Logs other than teak ...	98	3,720	1,720	100,769	Tharrawaddy	100	4,500		
					Bassein-Myaungmya ...	108	3,352		
Total receipts ...			25,844	1,550,633	Agency ...	12,295	624,127	12,694	634,637
Received in Rangoon Depôt.					*Teak logs from paddy-fields.*				
					Prome	727	22,800		
Teak logs	21,450	1,352,097	21,450	1,352,097	Tharrawaddy	1,212	25,686	1,939	48,486
Drift teak	764	43,119			*Teak scantlings.*				
Drift others	24	1,037	788	44,156	Bassein	10	10	10	10
Transferred from Rangoon to Pegu.	2,544	139,920	2,544	139,920	*Other woods.*				
					Tharrawaddy	...	23,438		
Total received in Rangoon depôt.			24,782	1,536,173	Bassein	49	773	49	24,211
					Drift teak logs.				
					Thayetmyo	16	1,651		
					Pegu	20	270		
					Bassein	9	397		
					Henzada-Thôngwa ...	116	3,092		
					Agency	56	4,147	217	10,157
					Drift logs other than teak.				
					Pegu	4	231		
					Henzada-Thôngwa ...	2	36		
					Agency	7	358	13	625
					Lapsed drift teak.				
					Thayetmyo	3	126		
					Bassein	17	750	20	876
					Lapsed drift other than teak.				
					Bassein-Myaungmya ...	8	353	8	353
					Total closing balance ...			14,950	719,375
GRAND TOTAL ...	...	...	69,618	3,964,766	GRAND TOTAL ...	...	...	69,618	3,964,766

FORM NO. 59A.—*Statement showing Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depots or sold locally in the Tenasserim and Pegu Circles for the year 1894-95.*

Particulars.	Tenasserim circle.		Pegu circle.		Total of each head	
	Number or quantity	Cubic feet	Number or quantity	Cubic feet.	Number or quantity.	Cubic feet.
1	2	3	4	5	6	7
Opening balance	106,771	5,852,849	18,992	877,960	125,761	6,730,809
Received in transfer from the Pegu Circle on account of Tounges and Shwegyin divisions—						
Teak logs	1,090	59,005	...	...	1,090	59,005
Logs other than teak	18	507	..	...	18	507
Drift teak logs	910	40,640	...	..	910	40,640
Drift logs other than teak	16	720	.	..	16	720
Total	2,034	100,872	...	...	2,034	100,872
Received from Fungsts in depôts—						
Teak logs, pieces, and crooks	29,302	828,394	23,994	1,492,017	53,296	2,320,411
Logs other than teak	712	49,280	...	...	712	49,280
Drift teak logs	37,462	1,687,330	764	43,119	38,226	1,730,449
Confiscated teak logs	134	286	...	.	134	286
Drift logs other than teak	40	1,554	24	1,037	64	2,591
Waif other than teak	15	1,779	...	..	15	1,779
Total	67,565	2,568,623	24,782	1,536,173	92,347	4,104,796
Received from Forests by extraction—						
Teak logs, scantlings, &c.	45	1,969	23,833	1,420,904	23,878	1,422,873
Logs other than teak	130	13,355	291	28,256	471	41,611
Thingan hulls	2	105	...	..	2	105
Total	227	15,429	24,124	1,449,160	24,351	1,464,589
Gain on re-measurement	...		..	704	..	704
Received by Conversion in depôts—						
Pyinma planks and scantlings	96	4,810	..	..	96	4,810
Foreign timber entered at Kadu Revenue station—						
Teak logs	125,881	3,791,575	...	...	125,881	3,791,575
Logs other than teak	37	2,006	...	...	37	2,006
Total	125,918	3,793,581	...	...	125,918	3,793,581
Drift logs collected in the division—						
Teak logs	...	...	1,622	97,049	1,622	97,049
Logs other than teak	...	...	98	3,720	98	3,720
Total	.	...	1,720	100,769	1,720	100,769
GRAND TOTAL	302,611	12,336,164	69,618	3,964,766	372,229	16,300,930

Particulars.	Tenasserim circle		Pegu circle		Total of each head	
	Number or quantity.	Cubic feet.	Number or quantity	Cubic feet.	Number or quantity.	Cubic feet.
1	2	3	4	5	6	7
Removed by purchasers from depôts—						
Teak logs, pieces, and crooks	28,781	760,115	24,106	1,477,005	52,887	2,237,120
Teak poles	269	538	...	...	269	538
Logs other than teak	1,152	76,050	...	.	1,152	70,050
Drift teak logs	4,657	88,810	806	42,223	5,463	131,033
Drift logs other than teak	22	1,070	29	1,211	51	2,281
Confiscated logs other than teak	135	304	...	..	135	304
Waif logs other than teak	15	1,779	...	..	15	1,779
Pyinkado and pyinma scantlings	59	1,235	...	.	59	1,235
Total	35,090	923,901	24,941	1,520,439	60,031	2,444,340
Used, lost, stolen, &c —						
Teak logs	..		128	3,189	128	3,189
Logs other than teak	163	3,686	...	..	163	3,686
Drift teak logs	133	6,074	...	..	133	6,074
Teak scantlings	1	62	..	..	1	62
Pyinma and padauk scantlings	67	3,347	.	..	67	3,347
Pyinma sleepers	4	16	..	...	4	16
Drift logs other than teak	2	86		.	2	86
Total	370	13,271	128	3,189	498	16,460
Disposed of locally—						
Teak logs	45	1,969	2,272	51,420	2,317	53,389
Logs other than teak	130	13,355	242	4,025	422	17,380
Drift teak logs	..	...	344	16,243	344	16,243
Drift logs other than teak	...		66	2,404	66	2,404
Thingan hulls	2	105	...	...	2	105
Total	227	15,429	2,924	74,092	3,151	89,521
Delivered to claimants—						
Drift teak logs	29,443	1,544,758	724	51,144	30,167	1,595,902
Drift logs other than teak	3	135	7	280	10	415
Total	29,446	1,544,893	731	51,424	30,177	1,596,317
Transferred to depôts—						
Teak logs	...	...	24,086	1,494,478	24,086	1,494,478
Drift teak logs	353	7,392	749	42,001	1,102	49,393
Drift logs other than teak	.	...	19	763	19	763
Total	353	7,392	24,854	1,537,242	25,207	1,544,634
From Rangoon depôt transferred to Tenasserim circle—						
Teak logs	...	...	1,090	59,005	1,090	59,005
Converted in depôts—						
Teak logs	12	324	...	...	12	324
Pyinma logs	135	4,860	.0	..	135	4,860
Total	147	5,184	...		147	5,184
Cleared on payment of duty—						
Foreign teak logs	136,730	3,774,112	...	...	136,730	3,774,112
Foreign logs other than teak	32	2,920	...	...	32	2,920
Total	136,762	3,777,032	...	...	136,762	3,777,032
Closing balance—						
Teak logs	5,038	1[illegible],451	14,633	683,123	19,671	863,574
Logs other than teak	683	33,037	49	24,231	732	57,268
Drift teak logs	11,266	293,267	227	11,033	11,493	304,300
Drift logs other than teak	61	2,360	21	978	82	3,238
Teak scantlings	...		10	10	10	10
Scantlings of other woods	58	818	...		58	818
Padauk squares	298	9,114	...	..	298	9,114
Thingan hulls	3	866	...	...	3	866
Foreign teak logs	82,687	5,524,140	...	...	82,687	5,524,140
Foreign logs other than teak	122	5,609	..	..	122	5,609
Total	100,216	6,049,862	14,950	719,375	115,166	6,768,437
GRAND TOTAL	302,611	12,336,164	69,618	3,964,766	372,229	16,300,930

FORM NO. 60.—*Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1894-95.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
TENASSERIM CIRCLE.			Rs.			Rs.	Rs.	Rs.	
Teak logs	3,808	54,029	27,314	5,038	180,451	94,624	67,310	...	
Drift logs	7,513	213,736	77,110	11,327	295,627	110,670	33,560	...	
Logs (wood, other kinds) ...	1,406	62,113	16,865	686	33,303	13,392	...	3,473	
Padauk squares	298	9,114	12,740	298	9,114	9,399	...	3,341	
Sleepers	7	20	2	...	...	...	...	2	
Teak scantlings	1	62	25	...	...	...	...	25	
Scantlings other than teak ...	85	586	159	58	818	192	33	...	
Foreign teak	92,536	5,506,677	1,870,720	82,687	5,524,140	1,878,208	7,488	...	
Foreign wood (other kinds) ...	117	6,523	1,170	122	5,609	1,010	...	160	
Total ...	106,771	5,852,849	2,006,105	100,216	6,049,062	2,107,495	101,390	...	
PEGU CIRCLE.									
Teak logs	16,962	827,504	568,784	12,694	634,637	425,664	...	...	
Teak paddy-field logs ...	1,536	26,102	6,144	1,039	48,486	7,756	1,612	...	
Logs other than teak ...	...	...	...	40	34,331	190	190	...	
Drift logs*	494	34,354	8,279	258	13,011	6,776	...	1,503	
Total ...	18,992	877,960	583,207	14,040	719,365	440,386	...	142,821	
TOTAL LOWER BURMA ...	125,763	6,730,809	2,589,312	115,152	6,768,427	2,547,781	...	41,531	

*The value of drift timber which was omitted in previous year's statement is given in the present one.

FORM NO. 60A.—*Abstract showing the Value of Live and Dead Stock for the year 1894-95.*

Description of live and dead stock.	At commencement of the year.			On hand at the close of the year.			Difference in value.		Remarks.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
TENASSERIM CIRCLE.			Rs.			Rs.	Rs.	Rs.	
Live-stock	11	...	13,650	23	...	25,450	11,800	...	
Buildings	34	...	9,939	46	...	34,739	24,800	...	
Dead-stock	...	...	11,267	...	...	12,686	1,419	...	
Total ...	...	...	34,856	...	...	72,875	38,019	...	
PEGU CIRCLE.									
Live-stock	40	...	52,800	25	...	33,000	...	19,800	
Buildings	54	...	67,500	42	...	45,300	...	22,200	
Dead-stock	...	...	35,280	...	...	69,500	34,220	...	
Total ...	...	...	155,580	...	...	1,47,800	...	7,780	
GRAND TOTAL LOWER BURMA ...	...	...	234,749	...	...	2,20,675	30,239	...	

FORM NO. 61.—*Summary of Revenue of the different Divisions in the Tenasserim and Pegu Circles for the year 1894-95.*

Budget heads.	Agency division.	Kado division.	South Tenasserim division.	Toungoo division from November 1894.	Shwegyin division from November 1894.	Total.	Agency division.	Rangoon division.	Pegu division.	Tharrawaddy division.	Prome division.	Thayetmyo division.	Bassein division (Western).	Henzada division.	Toungoo division from July to October 1894.	Shwegyin division from July to October 1894.	Total.	GRAND TOTAL, LOWER BURMA.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—																		
(a) Timber	3,41,409	35,365	1,437	14,089	22,175	4,14,475	15,66,304	61	916	9,364	4,821	...	1,282	...	84	...	15,82,832	19,97,307
(b) Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bamboos	...	...	...	...	...	...	...	...	...	...	...	...	120	...	...	...	120	120
(d) Sandalwood	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Grass and other minor produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	3,41,409	35,365	1,437	14,089	22,175	4,14,475	15,66,304	61	916	9,364	4,821	...	1,402	...	84	...	15,82,952	19,97,427
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—																		
(a) Timber	36,369	6,453	15,927	1,29,824	41,202	2,29,775	4,092	10,506	6,156	1,27,124	8,821	6,653	67,567	16,623	2,22,803	13,630	4,83,975	7,13,750
(b) Firewood and charcoal	3,384	1,559	2,268	1,806	682	9,599	3,642	15,924	2,502	206	3,502	2,345	4,059	2,083	183	718	35,164	44,763
(c) Bamboos	2,378	1,880	4,620	2,848	2,273	13,999	2,762	775	8,206	4,502	5,107	8,055	18,543	2,175	490	1,649	53,364	66,363
(d) Grazing and fodder grass	...	...	...	...	...	...	...	661	67	113	...	...	...	...	...	...	841	841
(e) Other minor produce	275	90	7,888	2,031	3,473	13,757	201	483	3,344	579	345	1,100	657	250	290	102	7,351	21,108
Total	42,306	9,982	30,703	1,36,509	47,630	2,67,130	10,697	28,349	20,275	1,32,524	17,775	18,153	90,826	21,131	2,23,766	16,099	5,79,595	8,46,725
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE—	12	99,912	890	15,238	18,129	1,34,181	6,062	...	252	...	2,463	1,530	2,269	4,930	20,032	5,867	43,405	1,77,586
Total	12	99,912	890	15,238	18,129	1,34,181	6,062	...	252	...	2,463	1,530	2,269	4,930	20,032	5,867	43,405	1,77,586
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—																		
(a) Duty on foreign timber and other forest produce.	...	3,07,828	...	...	...	3,07,828	...	...	...	...	...	...	...	...	...	...	...	3,07,828
(b) Revenue from shared and private forest	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	3,07,828	...	...	...	3,07,828	...	...	...	...	...	...	...	...	...	...	...	3,07,828
V.—MISCELLANEOUS—																		
(a) Fines and forfeitures	567	3,742	...	...	...	4,309	...	...	...	250	...	...	...	2	...	...	252	4,561
(b) Refunds	10	25	45	5	12	97	61	4	179	244	19	97	36	26	...	136	302	899
(c) Other sources	771	11,993	1,692	2,399	2,350	19,205	1,643	632	1,420	3,816	6,805	4,495	1,330	1,077	1,564	886	23,668	42,873
Total	1,348	15,760	1,737	2,404	2,362	23,611	1,704	636	1,599	4,310	6,824	4,592	1,366	1,105	1,564	1,022	24,722	48,333
Total Revenue	3,85,075	4,68,847	34,767	1,68,240	90,296	11,47,225	15,84,767	29,046	23,042	1,46,198	31,883	24,275	95,863	27,166	2,45,446	23,988	22,30,674	33,77,899

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM NO 61 —*Summary of Expenditure of the different Divisions in the Tenasserim and Pegu Circles for the year 1894 95*

Budget heads.	Agency division	Kado division	South Tenasserim division	Tougoo division from November 1894	Shwegyin division from November 1894	Total	Agency	Rangoon division	Pegu division	Tharrawaddy division	Prome division	Thayetmyo division	Hanzada division	Tougoo division	Shwegyin division	Total	Grand Total, Lower Burma
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A —CONSERVANCY AND WORKS																		
I —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—	Rs.	Rs	Rs.	Rs.	Rs	Rs	Rs	Rs.	Rs	Rs	Rs.	Rs	Rs	Rs	Rs.	Rs	Rs.	Rs
(a) Timber	1,58,940	15,832	402	29,689	18,687	2,23,550	16,962	1,274	22,508	2,54,431	29,070	4,958	1,101	70	11,567	3,517	3,45,458	5,69,008
(b) Firewood and charcoal																		
(c) Bamboos																		
(d) Sandalwood																		
(e) Grass and other minor produce																		
Total	1,58 940	15,832	402	29,689	18 687	2,23,550	16,962	1 274	22,508	2,54,431	29,070	4,958	1,101	70	11,567	3,517	3,45,458	5,69 008
II —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS	2 529	1,236	1,438	374	723	6,300	1,344	1,358	300	451	1,205	829	2 601	643	202	271	9,104	15,404
III —DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE	6,152	37,079	224	5,075	10,199	59,129	1,482	632	567	–	360	467	3,479	461	14,548	5,365	27,981	86,510
IV —REVENUE FROM FOREST NOT MANAGED BY GOVERNMENT—																		
(a) Duty on foreign timber and other forest produce		8,596				8,596												8,596
V —RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT																		
VI—LIVE STOCK, STORES, TOOLS AND PLANT—																		
(a) Purchase of cattle																		
(b) Feed and keep of cattle	4 064	661		1,402	910	7,037	8 965	207	632	1 698	733	737	760	181	1,381	236	15,530	22 567
(c) Purchase of stores, tools and plant	1,833	372	49	154	325	2,733	26,281	53	422	881	116	46	264	314	142	57	28,576	31,309
Total	5,897	1,033	49	1,556	1,235	9,770	35,246	260	1 054	2,579	849	783	1,024	495	1,523	293	44,106	53,876
VII —COMMUNICATIONS AND BUILDINGS—																		
(a) Roads and bridges	2,150	100				2,250	9	523	407	1,137	37						2 113	4,363
(b) Buildings	113	1,269	839	597	450	3,268	905	425	345	969	637	621	7,575		285	7	11,819	15,087
(c) Other works	25	104	240	279		130	295				25				322		672	802
Total	2,288	1,473	1,079	358	450	5,648	1,289	948	752	2,106	699	621	7,575		607	7	14,604	20 252
VIII —ORGANIZATION, IMPROVEMENTS, AND EXTENSION OF FORESTS—																		
(a) Demarcation	1,771	5		2,199	1 288	5,263		1	777	210	410	22		111	9	11	1,551	6,814
(b) Cost of settlements, compensation for land and rights				415	858	1,273	129				45						174	1 447
(c) Surveys	9 983			152		10,135			52					33			85	10,220
(d) Working-plans				153		153											208	55
(e) Sowing and planting	21,979		977	3,309		26,265		1,143	2,315	31 042	9,687	5,904			208		50,569	76,834
(f) Protection from fire	11,516			5,059	134	16,703		1,716	350	6,386	5,998	2,157			464	14	16,679	33,382
(g) Other works				5,083		5,083			324	4,973	2,592				1,175	72	8,994	14,077
Total	45,243	5	977	16,064	2,280	64,569	129	2,860	3,768	42,611	18,732	8,083		144	1,856	97	78,860	1,42,829
X —MISCELLANEOUS—																		
(a) Refunds		20	31		10	61	1	9		32	36	225	150	55		20	528	589
(b) Law charges		164				164		2	45	98	17	148	20			19	349	513
(c) Other charges	162	647	71	129	218	1,227	273	51	54	1,550	2,353	710	125	204		53	4,463	5,690
Total	162	831	102	129	228	1,452	274	62	99	1,680	2,406	1,083	295	349		92	5,340	6,792
TOTAL A —CONSERVANCY OF WORKS	2,21,611	66,085	4,271	53,245	33,802	3,79,014	55,626	7,414	29,028	3,03,858	52,321	16,824	16,075	2,162	30,303	9,642	5,24,253	9,03,267

CALCUTTA
The 28th August 1894

J C BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 61.—*Summary of Expenditure of the different Divisions in the Tenasserim and Pegu Circles for the year 1894-95.*

Budget heads.	Agency.	Kado division.	South Tenasserim division.	Toungoo division from November 1894.	Shwegyin division from November 1894.	Total.	Agency.	Rangoon division.	Pegu division.	Tharrawaddy division.	Prome division.	Thayetmyo division.	Bassein division.	Henzada division.	Toungoo division from July to October 1894	Shwegyin division from July to October 1894.	Total.	GRAND TOTAL, LOWER BURMA.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Brought forward Total A.—Conservancy and Works.	Rs. 2,21,611	Rs. 66,085	Rs. 4,271	Rs. 53,245	Rs. 33,800	Rs. 3,79,014	Rs. 56,626	Rs. 7,414	Rs. 29,028	Rs. 3,03,858	Rs. 52,321	Rs. 16,824	Rs. 16,075	Rs. 2,162	Rs. 30,303	Rs. 9,642	Rs. 5,24,253	Rs. 9,03,267
B.—ESTABLISHMENTS.																		
—SALARIES—																		
(a) Conservators	15,714	...	...	...	...	15,714	15,596	..	...	...	...	...	...	...	...	...	15,596	31,310
(b) Superior officers	24,345	13,637	5,472	6,113	3,700	54,167	8,700	9,135	6,678	15,323	6,600	10,224	10,330	7,500	3,217	2,122	79,829	1,33,996
(c) Subordinate forest and depôt establishments	9,259	6,185	2,684	5,010	2,989	26,157	9,172	3,637	5,863	8,489	6,459	5,638	4,240	2,413	2,355	1,593	49,959	76,116
(d) Office establishments	10,789	6,389	1,776	1,508	910	21,372	15,104	3,238	1,992	4,655	1,818	2,786	1,847	974	752	502	33,668	55,040
(e) Deputation and special allowances	4,500	2,150	1,200	1,040	1,000	9,990	4,731	1,248	1,200	2,873	1,200	1,200	1,400	1,053	500	380	15,555	25,545
(f) Exchange compensation allowances	7,356	1,972	1,171	1,148	161	11,818	3,612	1,627	1,184	1,894	1,184	1,793	1,771	1,215	562	238	15,080	26,898
Total	71,973	30,333	13,303	14,849	8,760	1,39,218	56,835	18,885	16,917	33,034	17,261	21,641	19,588	13,155	7,386	4,835	2,09,587	3,48,805
II.—TRAVELLING ALLOWANCES—																		
(a) Conservators	2,216	...	...	..	...	2,216	1,302	...			...	...		..	...	..	1,302	3,518
(b) Superior officers	3,607	2,747	1,843	1,325	962	10,484	1,575	1,127	1,457	3,949	1,243	914	1,238	1,154	366	497	13,520	24,004
(c) Subordinate forest and depôt establishments.	1,287	238	85	1,207	531	3,348	96	816	1,816	1,624	1,110	931	2,183	782	462	421	10,241	13,589
(d) Office establishments	813	80	161	136	152	1,342	116	330	334	582	252	253	171	165	33	49	2,305	3,647
Total	7,923	3,065	2,089	2,668	1,545	17,390	3,089	2,273	3,627	6,155	2,605	2,098	3,592	2,101	861	967	27,368	44,758
II.—CONTINGENCIES—																		
(a) Stationery	30	...	...	15	3	48	48	.	...	2	23	1	2	...	10	..	86	134
(b) Carriage of tents and records	951	22	98	25	9	1,105	...	102	66	71	...	...	20	67	...	1	327	1,432
(c) Rents, rates, and taxes	2,640	52	20	51	7	2,770	4,440	...	3	..	157	24	157	286	...	5	5,072	7,842
(d) Pay of police guards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Official postage	292	124	63	35	72	586	500	103	89	224	121	74	123	112	26	33	1,405	1,991
(f) Sundries	1,929	223	116	673	282	3,223	2,210	104	558	809	895	56	252	132	327	40	5,383	8,606
Total	5,842	421	297	799	373	7,732	7,198	309	716	1,106	1,196	155	554	597	363	79	12,273	20,005
TOTAL B.—ESTABLISHMENTS	85,738	33,819	15,689	18,316	10,778	1,64,340	67,122	21,467	21,260	40,295	21,062	23,894	23,734	15,853	8,610	5,881	2,49,228	4,13,568
GRAND TOTAL OF EXPENDITURE	3,07,349	99,904	19,960	71,561	44,580	5,43,354	1,23,798	28,881	50,288	3,44,153	73,383	40,718	39,809	18,015	38,913	15,523	7,73,481	13,16,835
SURPLUS	77,726	3,63,843	14,807	96,6·9	45,716	6,03,871	.	...	...	...	...	...	...	...	...	...	14,57,193	20,61,064

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Dr. FORM No. 62.—*Statement showing Account-Current in the Tenasserim Circle for the year 1894-95.* *Cr.*

TENASSERIM CIRCLE.	Rs. A. P.	Rs. A. P.
To Cash balance		114 14 11
To VIII.—Assessed Taxes—		
Income-tax deduction from salaries		2,997 2 1
Revenue as per Annual Summary Form No. 61		11,47,224 15 6
To Service Funds—		
Civil Fund, Ordinary, Bengal		
Civil Fund, Additional, Bengal		
Military Fund, Bengal		
Military Fund, Madras		
Military Orphan Fund, Bengal		
Uncovenanted Service Family Pension Fund, Bengal	1,125 4 0	
General Family Pension Fund		
Hindu Family Annuity Fund		
		1,125 4 0
To Deposits		
To Forest Cash Remittances (Local)—		
Forest cheques drawn	5,24,927 6 1	
Inter-divisional transfers	44,534 1 11	
		5,69,461 8 0
To Advances recoverable		2,39,527 12 9
„ Suspense		1 14 5
To Account-current (other Governments)—		
Remittances from Government of India	10,139 5 2	
Remittances from Government of Bengal	101 8 7	
Remittances from Government of North-Western Provinces and Oudh	900 0 0	
		11,140 13 9
To Inter-Departmental Transfers—		
Public Works Department, Ordinary Branches	2,680 0 0	
Military Department, Bengal	1,400 2 8	
To Civil Department—		
Rs. A. P.		
Jails 31 14 0		
Mathematical Instrument Department 689 10 9		
Miscellaneous 675 8 0		
	1,397 0 0	
Telegraph Department	320 4 9	
		5,797 7 5
Total		19,77,391 11 10

TENASSERIM CIRCLE.	Rs. A. P.	Rs. A. P.
By Refunds		40 0 0
By Expenditure as per Annual Summary Form No. 61		5,43,354 3 1
By Deposits		
By Forest Cash Remittances (Local)—		
Remittances to Treasuries	11,27,357 14 5	
Inter-divisional transfers	200 0 0	
		11,27,457 14 5
By Advances Recoverable		2,78,712 6 4
„ Suspense		1 14 5
By Account-Current (other Governments)—		
Remittances to the Government of India		7,874 3 0
By Inter-Departmental Transfers—		
Rs. A. P.		
Public Works Department, State Railways 125 0 0		
Public Works Department, Ordinary Branches 5,803 15 3		
	5,928 15 3	
Military Department, Bengal	9 11 2	
Civil Department, Jails	14,000 10 10	
		19,939 5 3
By Cash balance		11 13 4
Total		19,77,391 11 10

CALCUTTA:
The 28th August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Dr. FORM NO. 62.—*Statement showing Account-Current in the Pegu Circle for the year 1894-95.* *Cr.*

PEGU CIRCLE.	Rs. A. P.	Rs. A. P.
To Cash balance	.....	486 8 4
To VIII.—Assessed Taxes—		
Income-tax deductions from salaries	.....	4,040 10 3
Revenue as per Annual Summary Form No. 61	.....	22,20,674 8 11
To Service Funds—		
Civil Fund, Ordinary, Bengal	.....	.....
Civil Fund, Additional, Bengal	.....	.....
Military Fund, Bengal	.....	.....
Military Fund, Madras	.....	.....
Military Orphan Fund, Bengal	.....	.....
Unconvenanted Service Family Pension Fund, Bengal	1,698 7 4	.....
General Family Pension Fund	.....	.....
Hindu Family Annuity Fund	.....	.....
		1,698 7 4
To Deposits	.....	.....
To Forest Cash Remittances (Local)—		
Forest cheques drawn	7,63,738 6 0	.....
Inter-divisional transfers	959 7 1	.....
		7,64,697 13 1
To Advances recoverable	.....	5,05,455 2 11
„ Suspense	.....	7 5 7
To Account-current (other Governments)—		
Remittances from Government of India	3,639 4 8	.....
Remittances from Government of Bengal	615 6 3	.....
Remittances from Government of Madras	0 2 9	.....
		4,254 13 8
To Inter-Departmental Transfers—		
Public Works Department	.....	.....
Military Department, Bengal	831 10 9	.....
Marine Department	24,046 13 9	.....
To Civil Department—		
Jails	407 11 0	.....
Mathematical Instrument Department	597 2 0	.....
Miscellaneous	314 12 9	.....
Survey of India Department	2,776 15 0	.....
Total	3,996 8 9	28,875 1 3
	.....	35,40,190 7 4

PEGU CIRCLE.		Rs. A. P.	Rs. A. P.
By Expenditure as per Annual Summary Form No. 61		.....	7,73,481 3 6
„ Deposits		.....	.....
By Forest Cash Remittances (Local)—			
Remittance to treasuries		19,96,632 10 1	.....
Inter-divisional transfers		45,326 13 9	.....
			20,41,959 7 10
By Advances recoverable		.....	4,75,578 1 2
„ Suspense		.....	87 9 6
By Account-current (other Governments)—			
Remittances to the Government of India		10,217 14 0	.....
Remittances to the Government of Madras		90,370 3 9	.....
			1,00,588 1 9
By Inter-Departmental Transfers—			
Public Works Department, State Railways		71,832 6 0	.....
Public Works Department, Ordinary Branches		699 0 3	.....
Military Department, Bengal		28 11 6	.....
Marine Department		56,620 12 8	.....
By Civil Department—			
Jails	18,132 2 6	.....	.....
Survey of India Department	563 9 6	.....	.....
Miscellaneous	187 2 3	18,882 14 3	.....
Telegraph Department		142 3 10	.....
			1,48,206 0 6
By Cash balance		.....	289 15 1
Total		.....	35,40,190 7 4

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Dr. FORM NO. 62A.—*Statement showing Account-Current in the Tenasserim and Pegu Circles for the year 1894-95.* *Cr.*

	Tenasserim circle.	Pegu circle	Total.
	Rs A P.	Rs. A. P.	Rs. A. P.
To Cash Balance	114 14 11	486 8 4	601 7 3
To VIII.—Assessed Taxes—			
Income-tax deductions from salaries	2,997 1 1	4,040 10 3	7,037 11 4
Revenue as per Annual Summary Form No 61	11,47,224 15 6	22,30,674 8 11	33,77,899 8 5
To Service Funds—			
Civil Fund, Ordinary, Bengal	.....	.....	.....
Civil Fund, Additional, Bengal	.....	.....	.....
Military Fund, Bengal	.....	.....	.....
Military Fund, Madras	.....	.....	.....
Military Orphan Fund, Bengal	.....	.....	.....
Uncovenanted Service Family Pension Fund, Bengal	1,135 4 0	1,698 7 4	2,833 11 4
General Family Pension Fund	.....	.....	.....
Hindu Family Annuity Fund	.....	.....	.....
To Deposits	.....	.....	.....
To Forest Cash Remittances (Local)—			
Forest cheques drawn	5,24,927 6 1	7,63,738 6 0	12,88,665 12 1
Inter-divisional transfers	44,534 1 11	959 7 1	45,493 9 0
To Advances recoverable	2,39,527 12 9	5,05,455 2 11	7,44,983 15 8
To Suspense	1 14 5	7 5 7	9 4 0
To Account-Current (other Governments)—			
Remittances from Government of India	10,139 5 2	3,639 4 8	13,778 9 10
Remittances from Government of Bengal	101 8 7	615 6 3	716 14 10
Remittances from Government of Madras	.....	0 2 9	0 2 9
Remittances from Government of North-Western Provinces and Oudh.	900 0 0	.....	900 0 0
To Interest	.....	.....	.....
To Inter-Departmental Transfers—			
Public Works Department, Ordinary Branches	2,680 0 0	.....	2,680 0 0
Military Department, Bengal	1,400 2 8	831 10 9	2,231 13 5
Marine Department	.....	24,046 13 9	24,046 13 9
To Civil Department—			
Jails	31 14 0	407 11 0	439 9 0
Survey of India Department	.....	2,776 15 0	2,776 15 0
Miscellaneous	675 8 0	214 12 9	890 4 9
Mathematical Instrument Department	689 10 0	597 2 0	1,286 12 0
Telegraph Department	320 4 9	.....	320 4 9
GRAND TOTAL	19,77,391 11 10	35,40,190 7 4	55,17,582 3 2

	Tenasserim circle.	Pegu circle.	Total.
	Rs A P.	Rs. A. P.	Rs A P.
By Refunds	40 0 0	.....	40 0 0
By Expenditure as per Annual Summary Form No 61	5,43,354 3 1	7,73,481 3 6	13,16,835 6 7
„ Deposits	.....	.....	.....
By Forest Cash Remittances (Local)—			
Remittances to treasuries	11,27,257 14 5	19,96,632 10 1	31,23,890 8 6
Inter-divisional transfers	309 0 0	45,326 13 9	45,526 13 9
By Advances recoverable	2,38,712 6 4	4,75,578 1 2	7,14,290 7 6
„ Suspense	1 14 5	87 9 6	89 7 11
By Account-Current (other Governments)—			
Remittances to the Government of India	7,874 3 0	10,217 14 0	18,092 1 0
Remittances to the Government of Madras	.....	90,370 3 9	90,370 3 9
Remittances to the Government of Central Provinces	.....	.....	.....
Remittances to the Government of North-Western Provinces and Oudh.	.....	.....	.....
By Inter-Departmental Transfers—			
Public Works Department, State Railways	125 0 0	71,832 6 0	71,957 6 0
Public Works Department, Ordinary Branches	5,803 15 3	699 0 3	6,502 15 6
Military Department, Bengal	9 11 2	28 11 6	38 6 8
Marine Department	.....	55,620 12 8	55,620 12 8
Civil Department—			
Jails	14,000 10 10	18,132 2 6	32,132 13 4
Surveys	.....	563 9 6	563 9 6
Miscellaneous	.....	187 2 3	187 2 3
Telegraph Department	.....	142 3 10	142 3 10
Marine Department	.....	.....	.....
By Cash Balance	11 13 4	289 15 1	301 12 5
GRAND TOTAL	19,77,391 11 10	35,40,190 7 4	55,17,582 3 2

CALCUTTA:
The 31st August 1895

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 63.—*Statement showing Revenue received and Outstandings on account of Revenue in the Tenasserim and Pegu Circles for the year 1894-95.*

Division.	Particulars.	Outstandings at commencement of year	Value of sales and other revenue during year	Total	Amount realised during year	Balance due to the department at end of year.	Remarks.
1	2	3	4	5	6	7	8
	TENASSERIM CIRCLE	Rs. A. P.	Rs. A. P.	Rs A P	Rs. A P.	Rs A P.	
Agency	Timber and other produce	14,156 4 0	3,79,846 10 2	3,94,002 14 2	3,85,074 7 2	8,928 7 0	
Kado	Ditto	662 0 0	4,68,667 1 1	4,69,329 1 1	4,68,847 1 1	*272 0 0	* Rs. 210 profit and loss have been written off
South Tenasserim	Ditto	.....	34,767 6 6	34,767 6 6	34,767 6 6	.....	
Toungoo	Ditto	...	4,99,297 3 2	4,99,297 3 2	4,99,297 3 2	.....	
Shwegyin	Ditto	.....	1,56,098 15 0	1,56,098 15 0	1,56,093 3 0	5 12 0	
	Total	14,818 4 0	15,38,677 3 11	15,53,495 7 11	15,44,079 4 11	9,206 3 0	
	PEGU CIRCLE						
Thayetmyo	Timber and other produce, &c	11 0 0	25,104 2 1	25,115 2 1	24,275 2 1	840 0 0	
Prome	Ditto	892 8 9	28,015 6 5	28,907 15 2	27,882 15 11	1,024 15 3	
Tharrawaddy	Ditto	92 3 11	1,46,200 1 0	1,46,292 4 11	1,46,122 0 2	170 4 9	
Rangoon	Ditto	.....	29,046 5 2	29,046 5 2	29,046 5 2	.....	
Pegu	Ditto	.....	22,924 11 6	22,924 11 6	22,924 11 6	.....	
Bassein-Myaungmya	Ditto	32 8 0	95,897 1 3	95,929 9 3	95,862 13 3	66 12 0	
Henzada-Thôngwa	Ditto	.....	27,598 2 11	27,598 2 11	27,166 2 11	432 0 0	
Agency	Ditto	19,967 6 0	15,65,497 7 8	15,85,464 13 8	15,84,707 1 8	757 12 0	
	Total	20,905 10 8	19,44,283 6 0	19,65,279 0 8	19,61,987 4 8	3,291 12 0	
	TOTAL, LOWER BURMA	35,813 14 8	34,82,960 9 11	35,18,774 8 7	35,06,066 9 7	12,497 15 0	

FORM No. 64.—*Statement showing Outstandings and Liabilities on account of Contractors and Disbursers in the Tenasserim and Pegu Circles for the year 1894-95.*

Division	Department debtor.			Department creditor.			Balance due.		Remarks.
	At commencement of year	Recoveries in cash and value of supplies and work done during the year	At close of year	At commencement of year.	Payments made during year	At close of year.	To department (outstandings).	By department (liabilities).	
1	2	3	4	5	6	7	8	9	10
TENASSERIM CIRCLE	Rs A. P	Rs A P.	Rs A P	Rs A. P	Rs A. P	Rs A. P.	Rs. A. P	Rs. A. P	
Agency	.....	1,36,758 13 5	1,36,758 13 5	32,847 2 3	1,23,829 12 3	1,56,676 14 6	19,918 1 1	...	
Kado	.....	29,302 5 9	29,302 5 9	7,218 10 7	26,415 11 9	33,634 6 4	4,332 0 7	.....	
South Tenasserim	.....	6,277 12 5	6,277 12 5	1,390 6 9	5,537 5 8	6,827 12 5	550 0 0	.....	
Toungoo	.....	55,120 2 11	55,120 2 11	.....	1,04,836 9 11	1,04,836 9 11	49,716 7 0	.....	
Shwegyin	.....	12,068 10 3	12,068 10 3	...	18,092 14 9	18,092 14 9	6,024 4 6	.....	
Total ...	... ...	2,39,527 12 9	2,39,527 12 9	41,356 3 7	2,78,712 6 4	3,20,068 9 11	80,540 13 2	.....	
PEGU CIRCLE.									
Agency	.....	4,095 3 1	4,095 3 1	1,638 11 8	3,541 6 0	5,180 1 8	1,084 14 7	.....	
Rangoon	.....	10,956 15 4	10,956 15 4	517 15 7	10,990 4 11	11,508 4 6	551 5 2	.....	
Pegu	.....	22,909 5 0	22,909 5 0	2,571 12 4	21,618 15 2	24,190 11 6	1,281 6 6	...	
Tharrawaddy	.....	3,15,499 5 11	3,15,499 5 11	37,917 0 7	3,12,025 8 9	3,49,943 9 4	34,443 3 5	.....	
Prome	.....	48,092 12 4	48,092 12 4	7,504 13 1	51,782 1 2	59,286 14 3	11,194 1 11	.....	
Thayetmyo	.....	21,225 9 4	21,225 9 4	2,361 15 10	21,125 14 9	23,487 14 7	2,262 5 3	.....	
Western { Bassein-Myaungmya ... / Henzada-Thôngwa ... }	1 4 0	15,370 9 7	15,371 13 7	3,026 1 0	13,413 2 8	16,439 3 8	1,067 6 1	.....	Rs A. P. 513 13 10 / 553 8 3
Toungoo	.....	59,829 1 4	59,829 1 4	21,727 10 7	38,101 6 9	59,829 1 4	.....	.....	
Shwegyin	.....	7,476 5 0	7,476 5 0	4,497 0 0	2,979 5 0	7,476 5 0	.....	.....	
Total ...	1 4 0	5,05,455 2 11	5,05,456 6 11	81,763 0 8	4,75,578 1 2	5,57,341 1 10	51,884 10 11	.....	

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 65—*Statement showing the Financial Results in the Tenasserim and Pegu Circles for the year 1894-95.*

Division.		Timber and other produce removed from the forests by Government agency.		Other revenue		Formation, protection, and improvement of forests	Total		Remarks.
		Receipts.	Charges	Receipts.	Charges	Charges.	Receipts	Charges	
1		2	3	4	5	6	7	8	9
	TENASSERIM CIRCLE.	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
Tenasserim	Toungoo	98,784	54,333	3,99,513	38,575	25,837	4,99,297	1,18,745	
	West Salween	84,608	42,919	1,954	3,859	25,032	86,562	71,810	
	Salween-Attaran	2,56,801	1,30,908	41,712	12,189	39,498	2,98,513	1,82,595	
	Kado	35,365	20,454	4,33,482	89,900	5	4,68,847	1,10,359	
	Shwegyin	64,985	30,994	91,109	28,265	5,914	1,56,094	65,173	
	South Tenasserim	1,437	1,225	33,330	15,938	4,015	34,767	21,178	
	Agency	...	23,449	...	4,481	....	.....	27,930	
	Total	5,42,980	3,04,282	10,01,100	1,93,207	1,00,301	15,44,080	5,97,790	
	PEGU CIRCLE								
Pegu	Thayetmyo	18,370	24,002	22,745	9,523	16,778	41,115	50,303	
	Prome	83,268	49,691	24,599	9,307	26,964	1,07,867	85,963	
	Tharrawaddy	11,31,423	3,16,529	1,36,834	14,214	56,377	12,68,257	3,87,120	
	Rangoon	37,528	17,870	28,985	9,141	10,642	66,513	37,653	
	Pegu	1,62,716	47,169	21,874	8,190	11,640	1,84,600	66,999	
	Bassein-Myaungmya	12,941	25,236	93,192	13,857	10,257	1,06,133	48,400	
	Henzada-Thôngwa	4,930	13,273	22,236	6,916	6,417	27,166	26,606	
	Agency	30,767	10,559	12,401	3,343	2,099	33,168	16,001	
	Total	14,71,933	5,04,380	3,61,866	73,491	1,41,174	18,33,819	7,19,045	
	GRAND TOTAL, LOWER BURMA	20,14,933	8,08,662	13,62,966	2,66,,698	2,41,475	33,77,899	13,16,835	

APPENDIX A.

Statement showing the cost of Feed of Elephants of the Forest Department for the year 1894-95 as compared with that of the Commissariat Department for the same period in the Tenasserim Circle.

Division.	Number of elephants at commencement of the year.	Number of elephants received during the year	Casualties during the year	Transferred to other divisions during the year	Number at close of the year.	Cost of feed	Cost of keep including gear	Cost of medicines.	Total expenditure for the year.	Average monthly cost per animal of the Forest Department	Average monthly cost per animal of the Commissariat Department	Amount paid by officers for travelling expenses.	Value of labour in cash receipts and work performed	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Rs A. P.	Rs. A. P.	Rs. A. P.	Rs A P.	Rs. A. P.	Rs. A P.	Rs	Rs A P.	
Agtocv	4				4	1,055 14 2	1,442 15 2	13 10 3	2,512 7 7		-	--	3,655 0 0	
Salween-Attaran	4				4		1,039 4 0	2 0 0	1,041 4 0		.....	121	.....	
West Salween	1				1	.....	286 0 0	.....	286 0 0		.....	-	220 0 0	
Kado	2				2	.....	702 0 0	.....	702 0 0	31 4 10	.....	45	.....	
Toungoo	14*	-	1		7	.....	2,888 0 0	54 0 0	2,942 0 0		.....	91	.....	* Includes a calf.
Shwegyin	3	3			5	4 5 0	1,092 9 9	58 8 0	1,155 6 9		.....	144	779 14 0	
Total	27	4	1	7	23	1,060 3 2	7,450 12 11	128 2 3	8,639 2 4	- -	.....	401	4,654 14 0	

Statement showing the cost of Feed of Elephants of the Forest Department for the year 1894-95 as compared with that of the Commissariat Department for the same period in the Pegu Circle.

Division.	Number of elephants at commencement of the year	Number of elephants received during the year	Casualties during the year	Transferred to other divisions during the year	Number at close of the year	Cost of feed.	Cost of keeping including gear.	Cost of medicines.	Total expenditure for the year	Average monthly cost per animal of the Forest Department.	Average monthly cost per animal of the Commissariat Department.	Amount paid by officers for carriage elephants.	Value of labour in cash receipts and work performed	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Rs A P	Rs A. P.	Rs A. P	Rs A P	Rs. A. P.	Rs. A. P	Rs A. P.	Rs A. P.	
Thayetmyo	2				2	.....	669 10 0	6 0 0	675 10 0	28 2 5		104 0 0	700 0 0	
Prome	2				2	.....	725 0 0	8 0 0	733 0 0	30 8 8		41 0 0	.....	
Tharrawaddy	4	2	1		5	.....	1,730 6 2	29 12 6	1,760 2 8	22 6 8		334 0 0	2,256 8 0	
Rangoon	4	-	-		4	.....	205 12 9	.....	205 12 9	68 14 11		10 0 0	60 0 0	
Pegu	2	-	2*		-	.....	626 1 0	5 2 0	631 3 0	26 1 10	86 14 9	.....	.....	* Two lost.
Bassein-Myaungmya	3	-	-	-	2	.....	792 3 0	.....	792 3 0	33 0 2		25 0 0	130 12 0	
Henzada-Thongwa	-	1	-	1	1	.....	111 8 11	.....	181 8 11	25 15 4		.....	.....	
Agency	14	1	1	4	9	4,331 0 5	4,821 10 8	788 10 0	9,941 5 1	93 0 10		77 0 0	21,956 12 9	
Total	37	8	4	5	25	4,331 0 5	9,753 4 6	837 8 6	14,921 13 5	327 2 10	86 14 9	581 0 0	25,102 8 9	

APPENDIX B.

List of Buildings of which the cost exceeds Rs. 200 in the Tenasserim and Pegu Circles for the year 1894-95.

Division.	No.	Name of building.	Station.	Remarks.
		TENASSERIM CIRCLE.		
		(a) On which no rent is paid.		
Agency ...	3	Elephant sheds	Moulmein.	
	1	Paddy shed		
Salween-Attaran ...	1	Rest-house	Natchaung.	
	1	Guard-house	Nanté.	
	4	Guard-houses	Moulmein.	
	1	Rest-house	Gyaing on the Haungtharaw.	
	1	Bungalow	Kawkareik.	
	1	Rest-house	Mépalé.	
	1	Guard-house	Gyaing.	
South Tenasserim ...	1	Forest office	Mergui.	
	1	Guard-house	Tavoy.	
Kado ...	1	Guard-house	Martaban.	
	1	Guard-house	Moulmein.	
	3	One office and two out-houses	Kado.	
	1	Lascars' house		
	1	Upper guard-house		
	1	Lower guard-house		
	1	Coal-shed	Battery Point	
	1	Bungalow	Kamamaung.	
	1	Bungalow	Shwegôn.	
	1	Forest Ranger's quarters		
West Salween ...	1	Rest-house	Kyunchaung.	
Toungoo ...	1	Forest office	Toungoo.	
	6	Rest-houses	Tabetkwè, Zibyubin, Banlwèbin, Minyè, Pathichaung, and Pyunchaung.	
	1	Depôt gaung's quarters	Toungoo.	
Shwegyin ...	1	Rest-house	Myitkyo.	
	2	Depôt gaung's quarters		
	3	Depôt gaung's and peon's quarters	Inbaiwè.	
		(b) On which rent is paid.		
Salween-Attaran ...	1	Bungalow	Kawkareik.	
Toungoo ...	1	First-class bungalow	Toungoo.	
Shwegyin ...	1	First-class bungalow	Shwegyin.	
		PEGU CIRCLE.		
		(a) On which no rent is paid.		
Thayetmyo ...	1	Rest-house	Kyaukletkya.	
Prome ...	5	Rest-houses	Kadinngasin, Taunglè, Thèmè, Kwingyi, and Taungamauk.	
	1	Forest bungalow	Paungdè	
	1	Ranger's quarters	Kadinngasin.	
	1	Elephant-shed	Migyaungye.	
Tharrawaddy ...	1	Forest office	Tharrawaddy.	
	10	Rest-houses	We, Seywa, Yetho, Kangyi, Hmaw in, Kinsan, Bawbin, Nyanlè, Kywemakaing.	
Rangoon ...	1	Revenue station	Taikkyi.	
	2	Rest-houses	Palôn and Kinpadie.	
Pegu ...	1	Forest bungalow	Pegu	
	2	Revenue stations	Pegu and Hlegu.	
Agency ...	1	Officer's quarters	Kemmendine.	
	1	Overseer's house		
	6	Guard-houses		
	1	Mahout's quarters		
	2	Elephant-shed		
	1	Seasoning-shed		
		(b) On which rent is paid.		
Thayetmyo ...	1	First-class bungalow	Thayetmyo.	
Prome ..	1	Forest bungalow	Prome.	
Tharrawaddy ...	1	First-class bungalow	Tharrawaddy.	
Bassein ...	1	First-class bungalow	Bassein.	

APPENDIX C (1).

Statement showing the Imports of Timber and other Forest Produce into the Port of Rangoon during the forest year 1894-95 (Private and Government).

Articles and countries from which imported.		Rangoon.	
		Quantity.	Value.
			Rs.
Wood—			
Teak—			
From Provincial ports	Cubic tons	2,261	2,17,768
Other timber—			
From United Kingdom	Tons	292	15,385
,, United States	,,	8	35
,, Straits Settlements	,,	132	17,536
,, Bengal, chief port	,,	.....	35
,, Bengal, other ports	,,	64	2,241
,, Madras, chief port	,,	7	1,910
,, Provincial ports	,,	2,138	94,701
Total	...	2,641	1,30,923
Firewood—			
From Siam ...	Tons	44	660
,, Straits Settlements	,,	64	700
,, Provincial ports	,,	2	25
Total		110	1,385
Sandalwood—			
From Straits Settlements	Value	.....	1,809
,, Bengal, chief port	,,	.....	40
,, Bombay, chief port	,,	.....	22,230
,, Madras, chief port	,,	.....	3,962
,, Provincial ports	,,	.....	1,723
Total		.....	29,764
Railway keys—			
From Provincial ports	Cwt.	1,914	8,976
Wooden sleepers—			
From Provincial ports	Cwt.	4,108	12,425
Manufactures of—			
From United Kingdom	Value	.....	16,280
,, Austria	,,	.....	50
,, France	,,	.....	20
,, Germany	,,	.....	645
,, United States	,,	.....	485
,, Ceylon	,,	.....	66
,, Straits Settlements	,,	.....	47,827
,, Bengal, chief port	,,	.....	1,84,580
,, Bengal, other ports	,,	.....	7,170
,, Bombay, chief port	,,	.....	2,460
,, Madras, chief port	,,	.....	715
,, Madras, other ports	,,	.....	2,236
,, Provincial ports	,,	.....	48,122
Total	...	.....	3,10,961
Gums and Resins—			
Catch and gambier—			
From United Kingdom	Cwt.	6	85
,, Straits Settlements	,,	.....	3
,, Bengal, chief port	,,	76	2,174
,, Bombay, chief port	,,	.....	3
,, Madras, chief port	,,	10	670
,, Provincial ports	,,	87	2,130
Total	..	179	4,965
Lac—			
Stick—			
From Straits Settlements	Cwt.	4	134
,, Bengal, chief port	,,	3	105
,, Bombay, chief port	,,	1	55
,, Madras, chief port	,,	12	385
,, Provincial ports	,,	1	45
Total	..	21	624
Oils—			
Wood—			
From Straits Settlements	... Gallons	1,311	1,424
,, Provincial ports	,,	4,789	3,205
Total	...	6,100	4,629

APPENDIX C (2).

Statement showing the Exports of Timber and other Forest Produce from the Port of Rangoon for the year 1894-95 (Private and Government).

Articles and countries to which exported.		Rangoon.	
		Quantity	Value.
Wood—			Rs.
Teak—			
To United Kingdom	Cubic tons	29,886	31,68,030
„ Germany	„	.....	.....
„ Italy	„	563	57,100
„ Portugal	„	27	3,100
„ Spain	„	700	77,000
„ Cape Colony	„	1,025	1,26,761
„ Egypt	„	3,205	3,26,135
„ Mauritius	„	....	.....
„ South America	„	1	50
„ Ceylon	„	4,180	3,98,816
„ Straits Settlements	„	115	14,015
„ Bengal, chief port	„	13,803	9,19,827
„ Bengal, other ports	„	1,131	74,130
„ Bombay, chief port	„	26,245	15,91,319
„ Sind, chief port	„	3,283	1,06,980
„ Madras, chief port	„	16,794	1,091,424
„ Madras, other ports	„	4,534	3,18,464
„ Provincial ports	„	397	30,687
„ Pondicherry	„	350	33,000
	Total	1,06,810	83,34,687
Other timber—			
To United Kingdom	Tons.	20	750
„ Ceylon	„	1	61
„ Straits Settlements	„	8	375
„ Bengal, chief port	„	657	38,636
„ Bengal, other ports	„	7,122	4,27,253
„ Bombay, chief port	„	152	9,120
„ Sind, chief port	„	1,154	69,240
„ Madras, chief port	„	688	41,021
„ Madras, other ports	„	170	9,992
„ Provincial ports	„	33	1,653
„ Pondicherry	„	.....	.....
	Total	10,005	5,98,105
Firewood—			
To Madras, chief port	Tons	.....	.....
Sandalwood—			
To Madras, other ports	Value	.....	.....
„ Provincial ports	„	.....	500
	Total	.....	500
Railway keys—			
To United Kingdom	Cwt.	.....	.....
„ Bengal, chief port	„	6,824	18,240
„ Bombay, chief port	„	1,120	3,360
„ Sind, chief port	„	.....	.....
„ Madras, chief port	„	260	2,280
„ Madras, other ports	„	240	720
„ Provincial ports	„	....	.....
	Total	8,444	24,600
Wooden sleepers—			
To Bengal, chief port	Cwt.	14,490	42,288
„ Bengal, other ports	„	20,280	69,840
„ Madras, chief port	„	19,090	56,670
„ Madras, other ports	„	16,226	60,496
	Total	70,886	2,30,894
Manufactures of—			
To United Kingdom	Value	.....	10
„ Egypt	„	.....	60
„ Mauritius	„	.....	.....
„ Ceylon	„	.....	400
„ Straits Settlements	„	.....	1,016
„ Bengal, chief port	„	.....	1,805
„ Bengal, other ports	„	.....	2,585
„ Bombay, chief port	„	.....	300
„ Sind, chief port	„	.....	300
„ Madras, chief port	„	.....	800
„ Madras, other ports	„	.....	85,648
„ Provincial ports	„	.....	13,315
„ Pondicherry	„	.....	28,609
	Total	.....	1,34,838

APPENDIX C (2)—concluded.

Statement showing the Exports of Timber and other Forest Produce from the Port of Rangoon for the year 1894-95 (Private and Government)—concluded.

Articles and countries to which exported.		Rangoon.	
		Quantity.	Value.
			Rs.
Gums and Resins—			
Cutch and gambier—			
To United Kingdom	Cwt.	82,028	17,20,640
„ Austria	„	14	200
„ Belgium	„	100	2,500
„ France	„	1,700	34,000
„ Germany	„	1,460	27,900
„ Holland	„	4,786	1,08,210
„ Italy	„	575	14,285
„ Egypt	„	3,300	69,400
„ United States	„	100	1,400
„ Ceylon	„	722	18,308
„ Straits Settlements	„	10,891	1,91,230
„ Bengal, chief port	„	53,892	9,48,555
„ Bengal, other ports	„	146	4,389
„ Bombay, chief port	„	21,983	4,52,128
„ Madras, chief port	„	4,308	1,04,731
„ Madras, other ports	„	1,223	35,867
„ Provincial ports	„	444	10,498
„ Pondicherry	„	1	30
Total	...	187,673	37,44,241
Lac—			
Stick—			
To United Kingdom	Cwt.	69	2,120
„ Straits Settlements	„	58	1,818
„ Bengal, chief port	„	10,406	3,49,178
„ Bombay, chief port	„	34	951
„ Madras, chief port	„	1,705	54,152
„ Madras, other ports	„	18	825
„ Provincial ports	„	194	6,581
Total	...	12,564	4,15,725
Oils—			
Wood—			
To Bengal, chief port	Gallons	2,760	1,702
„ Bombay, chief port	„	28	60
„ Madras, chief port	„	4,396	2,127
„ Madras, other ports	„	970	1,151
Total	...	8,054	5,040

APPENDIX C (3).

Tenasserim Circle.

Statement showing the Exports of Minor Forest Produce from the Ports of Moulmein, Tavoy, and Mergui, for the year 1894-95.

Articles.	Whither exported.	Moulmein.		Tavoy.		Mergui.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Catch and gambier	Provincial ports ... Cwt.	93	2,590	...	...	...	...
Barks for tanning	Ditto ... „	...	...	1,732	340	...	...
Ondon bark	Ditto ... „	...	...	1,080	2,823	...	...
Sandalwood	Ditto ... „	...	...	...	70	236 1 6	1,670
Cardamoms	Ditto ... lbs.	...	...	48,609	3,040	...	...
Dammer torches	Ditto ... No.	3,100	77	...	980,175	...	27,045
Kanyinthee	Ditto ... „	...	...	...	1,184	...	...
Chestnuts	Ditto ... „	...	...	...	302	...	...
Orchids	Ditto ... „	...	...	...	255	...	...
Mariana	Ditto ... Cwt.	...	...	3	12	...	...
Walnuts	Ditto ... „	...	...	...	163	...	...
Canes and rattans	Ditto ... No.	...	...	103	674	14,674,000	73,674
Kimboon	Ditto ... Cwt.	...	...	...	128	...	...
Wood-oil	Ditto ...Gallons	...	...	910	1,876	10,378	4,259
Yinganthee	Ditto ... Cwt.	...	...	...	6	...	...
Akyaw	Ditto ... „	...	...	...	...	36 2 26	9,670
Sappan wood	Ditto ... „	...	...	...	...	800 0 0	2,800
Pyu bark	Ditto ... „	...	...	...	...	5,527 2 6	1,901
Red wood	Ditto ... „	...	...	...	...	325 3 16	400
Calaway leaves	Ditto ... „	...	...	...	...	9 3 3	15
Calaway fruits	Ditto ... „	...	...	...	...	7 2 0	165
Dammer	Ditto ... „	...	...	...	...	1 2 14	6
Honey	Ditto ... „	...	...	...	...	200 1 21	3,250
Beeswax	Ditto ... „	...	...	...	...	34 1 26	2,437
Fibre	Ditto ... „	...	...	...	...	40 0 0	141
Guano	Ditto ... „	...	...	...	...	281 2 2	500

APPENDIX C (1).

Statement showing the Exports of Teak Timber from Moulmein for the year 1894-95.

Countries to which exported.	Quantity.	Value.
1	2	3
	Tons.	Rs.
United Kingdom	10,334	10,99,909
Germany	298	31,318
Italy	871	87,196
Portugal	3,353	3,85,824
Egypt	681	68,140
Mauritius	703	36,009
Ceylon	176	11,549
Bengal, chief port	25,793	17,01,513
Bengal, other ports	172	12,899
Bombay, chief port	27,506	15,39,011
Sind, chief port	4,716	2,92,711
Madras, chief port	616	43,482
Madras, other ports	6,947	3,90,806
Provincial ports	2,089	1,84,710
Pondicherry	561	34,402
Total	84,496	58,08,527

APPENDIX C (2-a).

Statement showing the Exports of Shingles, Railway Keys, and Woods of other kinds from Moulmein, Tavoy, and Mergui for the year 1894-95.

Article.	Whither exported	Moulmein.		Tavoy.		Mergui.	
		Quantity.	Value.	Quantity	Value.	Quantity	Value.
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Teak railway keys	United Kingdom	1,783	9,506	...	...	...	...
	Bengal, chief port	1,945	8,693	...	...	...	...
	Bombay, chief port	2,911	13,983	...	...	...	...
	Sind, chief port	50	80	...	...	...	...
	Provincial ports	454	1,408	...	...	...	...
Wooden sleepers	Bengal, chief port	360	515	603	23,517	...	...
	Bengal, other ports	...	...	1,587	61,893	...	...
	Madras, other ports	1,198	2,397	...	...	...	...
Shingles, staves, ventilators, &c.	Egypt	...	12,083	...	...	...	...
	Mauritius	...	46,474	...	...	...	...
	Ceylon	...	1,189	...	...	...	...
	Straits Settlements	...	26,130	...	...	...	...
	Bengal, chief port	...	250	...	...	...	...
	Bengal, other ports	...	20	...	...	...	...
	Bombay, chief port	...	119	...	...	...	...
	Madras, chief port	...	63	...	...	...	...
	Madras, other ports	...	753	...	...	...	...
	Provincial ports	...	32,646	...	...	...	...
	Pondicherry	...	272	...	...	...	...
Other timber	United Kingdom	3	192	...	...	...	...
	Straits Settlements	3	397	...	...	...	...
	Bengal, chief port	2,306	90,266	289	7,076	...	...
	Bengal, other ports	168	7,022	...	...	...	...
	Bombay, chief port	219	8,093	...	...	...	...
	Sind, chief port,	468	18,697	...	...	...	...
	Madras, chief port	25	1,258	...	...	...	...
	Madras, other ports	711	24,727	...	...	...	...
	Provincial ports	1,370	59,261	196	6,384	...	...
	Pondicherry	54	1,891	...	...	...	...

APPENDIX C (2-b).

Statement showing the Exports of Boat Hulls and other Timber from the Port of Tavoy for the years 1893-94 and 1894-95.

Article.	Whither exported		1893-94.		1894-95.	
			Quantity.	Value.	Quantity	Value.
1	2		3	4	5	6
				Rs.		Rs
Boat hulls	Provincial ports	No.	23	26,750	8	9,000
Other timber	Provincial ports	"	208	5,502	196	6,284
	Bengal, Calcutta	Tons	...	...	603	23,317
	Bengal, other ports	"	...	...	1,587	61,893
Total	Total		...	32,252	...	1,01,594

APPENDIX D.

Statement showing number of Teak Trees girdled in the Tenasserim Circle for the year 1894-95.

Division.	Girdling Officer.	Revising Officer	Range.	Forest district.	Locality.	No of trees girdled.	Total.	Remarks
1	2	3	4	5	6	7	8	9
Toungoo.	Ranger Maung Yaing.	Mr G. Q. Corbett, Deputy Conservator of Forests.	Thagaya	Toungoo ...	Sabyin	218		
	Ranger Maung Po Gaung	ditto ...	Zevawaddi	do	East Swa reserve ...	7		
	Ranger Maung Ba O	ditto ...	Bonmadi	do	Pahè	550		
					Kyi chaung	45		
					Chaung Mange... ...	270		
							1,090	
Salween-Attaran.	Mr G R Long, Assistant Conservator of Forests	.....	Thaungyin	East Salween	On the left bank of the Thaungyin, north of the Mepie chaung	652		
					South of the Mepie chaung	242		
					On the left and right bank of the Mepie chaung near the mouth.	109		
							1,003	
Shwegyin.	Mr C Ingram, Extra Assistant Conservator of Forests	.....	Kyaukkyi	Shwegyin	Southern bank of Pada chaung between Koko and Tawmlo streams	477		
					Northern bank of Pada chaung, on both banks of Tiyobawgata	57		
					Northern bank of Pada chaung in betelnut garden.	86		
					Both banks of Tagundaing chaung.	207		
							827	
West Salween.	Mr M H Ferrars, Deputy Conservator of Forests	.....	.....	Block III ...	East and west banks of Bilin chaung.	183		
						346*		
							529	
					Total ...	...	3,449	

* Girdled in 1893 but taken as girdled during the year with the sanction of the local Government.

Statement showing number of Teak Trees girdled in the Pegu Circle for the year 1894-95.

Division.	Girdling Officer.	Revising Officer	Ranger	Forest district.	Locality.	No of trees girdled.	Total.	Remarks.
1	2	3	4	5	6	7	8	9
Thayetmyo.	Maung Yan, Forest Ranger	Mr. F W. Theilusson, Deputy Conservator of Forests	Myedè ..	Padè chaung forests	To south of Tindaw chaung feeder of Padè chaung	92	...	
					To north of Teindaw chaung feeder of Padè chaung.	39	...	
					To north of Thayet chaung Cheingwinmya myaung	135		
					To north-west of Thayet-chaung Cheingwinmya myaung.	115	...	
					To North-west of Thayet chaung Kadinthônsin	7	...	
					To North-west of Thayet chaung Htugaung myaung.	12	...	
							400	
	Maung Tha Shun, Forest Ranger.	Mr F W Theilusson, Deputy Conservator of Forests	Kama ...	Madè chaung forests.	To North-west of Mônda chaung, a feeder of Madè	222	...	
					Chinyè chaung, west of Mônda chaung, feeder of Madè	78	300	
					Total, Thayetmyo ...	...	700	
Prome.	Mr F J Branthwaite	.....	Nawin ...	North Nawin working circle.	Compartment No 53 ...	990	...	
	ditto ...	.....	do ...	Chaungzauk working circle	Compartment No. 8 ...	358	...	
	ditto ...	.....	do ...	ditto ...	Compartment No. 9 ...	432	...	
	ditto ..	.....	do	ditto ..	Compartment No. 16 ..	326	...	
	ditto ...	.....	do ...	ditto ...	Compartment No. 28 ...	117	...	
	ditto ...	.....	do ...	Middle Nawin ...	Compartment No. 7 ...	345	...	
	ditto ...	.....	do ...	ditto ...	Compartment No. 8 ..	704	...	
	ditto ...	.....	do ...	ditto	Compartment No. 9 ...	602	...	
	ditto .	.....	Shwele	Shwele working circle.	Compartment No 11 ...	949	...	
	ditto ...	.....	do ...	do ...	Compartment No 82 ...	546	...	
					Total, Prome ...	...	5,569	
					Carried over ...	...	6,269	

Statement showing number of Teak Trees girdled in the Pegu Circle for the year 1894-95 —concluded.

Division.	Girdling Officer.	Revising Officer.	Ranger.	Forest district.	Locality.	No. of trees girdled.	Total.	Remarks
1	2	3	4	5	6	7	8	9
					Brought forward ...	...	6,169	
Tharrawaddy.	J. Messer, Esq., Assistant Conservator of Forests.	Not revised ...	Shwele ...	Thôngè ...	Compartment No. 93 ...	188	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 43 ...	53	...	
	ditto ...	H. Slade, Esq., in part.	do ...	do ...	Compartment No. 44 ...	671	912	
	C. R. Dun, Esq., Extra Assistant Conservator of Forests.	ditto ...	do ...	Kadin-Bilin ...	Compartment No. 47 ...	1,322	...	
	ditto ...	Not revised ...	do ...	ditto ...	Compartment No. 40 ...	242	1,564	
	Maung Tha Din, Ranger.	H. Slade, Esq. ...	do ...	Minhla ...	Compartment No. 23 ...	316	316	
	ditto ..	Not revised ...	do ...	Gamôn ...	Compartment No. 80 ...	477	477	
	ditto ...	ditto ...	do ...	Taung ..	Compartment No. 23 ..	586	...	
	ditto ..	ditto ...	do ...	do ...	Compartment No. 24 ...	203	789	
	H. Slade, Esq., Deputy Conservator of Forests.	H. Slade, Esq. ...	do ...	Kangyi ...	Compartment No. 7 ...	38	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 22 ...	81	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 23 ...	19	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 28 ...	17	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 29 ...	5	130	
	Maung Aung, Ranger.	Not revised ...	do ...	Taungnyo ...	Compartment No. 41 ...	490	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 106 ...	342	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 107 ...	181	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 108 ...	806	1,819	
	J. Messer, Esq., Assistant Conservator of Forests.	ditto ...	do ...	Bawbin ...	Compartment No. 77 ...	787	...	
	F. J. Rivett, Esq., Extra Assistant Conservator of Forests.	ditto ...	do ...	do ...	Compartment No. 26 ...	265	...	
	ditto ...	ditto ...	do ...	do ...	Compartment No. 28 ...	646	1,698	
					Total Tharrawaddy ...	...	7,705	
Rangoon.	Maung Pe, Forest Ranger.	H. Carter, Officiating Deputy Conservator of Forests.	Magayi	Hanthawaddy ...	Unreserved forests ...	50	50	
					Total Rangoon ...	...	50	
Pegu.	W. F. L. Tottenham, Esq.	W. F. L. Tottenham, Esq.	Zamayi ...	Pegu ...	Kadat reserve ...	500	.	
	Maung Tha Kado...	ditto ...	do ...	do ...	North Zamayi reserve, Karen area I.	310	...	
	ditto ...	ditto ...	do ...	do ...	North Zamayi reserve, Karen area II.	288	...	
	ditto ...	ditto ...	do ...	do ...	North Zamayi reserve, Karen area IIa	102	...	
	Maung Po Tu ...	ditto ...	Paunglin	do ...	Unreserved forests between Mahuya chaung and Wadalè chaung.	400	1,600	
					Total Pegu ...	...	1,600	
					GRAND TOTAL ...	..	15,624	

APPENDIX E.

Statement of Outturn of Foreign Timber for the five years 1890-91 to 1894-95.

Name of foreign State	1890-91.						1891-92						Forest year 1892-93.					
	Full-sized	Tons	Under-sized	Tons	Stem-pieces	Tons.	Full-sized	Tons	Under-sized	Tons	Stem-pieces	Tons.	Full-sized	Tons	Under-sized	Tons	Stem-pieces	Tons.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Karenni	29,829	28,039	4,379	3,240	1,037	503	18,579	17,684	8,134	6,343	598	370	29,468	21,720	13,610	4,042	1,106	309
Mèhan	2,015	1,894	36	27	12	7	1,058	1,013	27	20	4	2	59	46½	33	11½	6	3
Karogtaung	9,267	8,711	808	596	1,159	561	5,049	4,841	646	502	290	176	12,505	9,691	2,041	727	399	109
Maingkôngyi	9,352	8,791	2,120	1,569	1,380	668	12,382	11,863	3,026	2,349	1,929	1,190	7,082	5,567	3,861	1,315	931	372
Thaungyin	16,365	15,383	12,831	9,495	1,760	852	3,230	3,090	8,770	6,830	1,530	943	4,436	2,456	10,408	2,874	1,563	406
Dagwin	1,585	1,400	589	436	56	29	980	936	1,230	948	40	24	1,122	729½	1,544	512	104	33
Zimmè	2,904	2,730	255	189	108	53	2,991	2,869	336	251	37	22	2,272	2,088½	176	71	16	6
Mèhaungthun	11,889	11,176	235	173	93	47	3,765	3,609	81	62	935	574	13,868	11,232	1,232	478	1,133	408
Maingpan	1,604	1,508	162	120	60	31	1,465	1,403	504	383	79	48	2,752	1,999	1,124	337	537	150½
Monpè	...	...	...				595	566	...	...	135	77	424	358½	9	3½	...	...
Maingtun	1,470	1,382	36	27	127	63	840	802	187	145	185	114	1,154	784	435	125½	65	18
Ningyan	1,761	1,655	70	51	28	14	2,426	2,336	344	260	624	381	360	218	20	13	90	58
Maukme	532	500	45	33	4	3	937	895	147	113	47	26	2,438	1,909	347	125	41	14
Maingpu	164	154	36	27	42	22	72	68	15	11	25	15	218	139	100	31	84	23
Maingkyut	...	...	...	...		...	6	5	8	6	...	...	...			...	...	
Kyaingkhan	119	112	...	...	3			...	...		...	...	191	140	36	24½	...	...
Thatôn	...		...	...	...	...	...	...	...	...	...	...	...		...	...	...	...
Total	88,856	83,435	21,599	15,983	6,867	2,855	54,373	51,980	23,455	18,223	6,448	3,962	78,249	59,079	34,366	11,590	5,977	1,991½

Statement of Outturn of Foreign Timber for the five years 1890-91 to 1894-95—concluded.

Name of foreign State.	Forest year, 1893-94.						Forest year, 1894-95.							Financial year, 1893-94, as compared with preceding year, showing percentage of increase or decrease of financial year, 1892-93		Forest year 1894-95, as compared with percentage of increase or decrease of forest year, 1893-94	
	Full-sized.	Tons	Under-sized	Tons.	Stem-pieces	Tons.	Full-sized	Tons	Under-sized	Tons	Stem-pieces.	Tons.		Increase per cent	Decrease per cent.	Increase per cent.	Decrease per cent.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		35	
Karenni ...	32,137	25,292	16,327	6,227	1,772	638	27,370	21,124	18,813	7,386	1,430	346	Karenni ...	9		13	15
Mèhan	1,084	1,171	24	10	24	10	563	433	74	29	35	8	Mèhan ...	94		68	59
Kaingtaung	9,227	7,490	1,764	600	319	102	9,021	6,996	1,937	785	630	158	Kaingtaung ...	75		31	3
Maingiôngyi ...	9,413	7,560½	4,823	1,939	772	293½	6,907	5,378	4,554	1,796	687	160	Maingiôngyi ...	6		49	37
Taungyin	7,016	4,078	20,193	5,433½	1,807	416	5,168	3,959	13,837	5,496	2,432	581	Thaungyin ...	32		17	27
Dagwin	1,882	1,038	1,965	702	313	72	1,625	1,261	1,738	698	220	52	Dagwin ...	38		34	31
Zimmè	1,208	961	171	62	1	¼	1,012	1,158	131	51	8	2	Zimmè ...	51		3	23
Mèhaungthun ...	13,312	11,110	557	262	1,667	767	13,853	10,652	842	359	2,424	574	Mehaungthun ...	32		88	
Maingpan	2,365	1,544	819	248	158	46½	2,600	2,009	1,083	442	259	61	Maingpan ...	31		9	
Mônpè ...	408	328	13	4	28	7	84	64	3	1	-	..	Monpè ...	31		4	78
Maingtun	541	390	154	39	3	¾	460	354	195	76	...	...	Maingtun ...	53		21	15
Ningyan	...	...	...	...	...	...	...	...	...	...	...	...	Ningyan ...	95			
Maukmè	1,768	1,364½	537	136	44	11	2,515	1,946	986	404	121	28	Maukmè ...	35		30	46
Maingpu	389	257½	101	35	169	50½	840	656	359	140	189	44	Maingpu ...	7		64	
Maingkyut	...	...	...	...	...	...	...	...	...	...	...	...	Maingkyut ...	44		54	
Kyaingkhan	131	94	3	¾	1	¼	148	113½	28	11	...	...	Kyaingkhan ...	1		72	
Thatôn	...	...	1	¼	...	...	...	...	...	...	...	...	Thatôn ...	30		11	
Total ...	80,581	63,876½	47,452	15,698½	6,778	2,417½	72,866	56,143½	44,580	17,674	8,435	2,014		31		89	

APPENDIX F.

Statement showing the Exports of Timber and other Forest produce from the Port of Moulmein for the year 1894-95.

Articles and countries to which exported.		From Moulmein, 1st July 1894 to 30th June 1895.	
		Quantity.	Value.
1		2	3
Wood—			Rs.
Teak—			
To United Kingdom	Cubic tons	10,334	10,99,909
,, Germany	,,	298	31,368
,, Italy	,,	571	57,105
,, Portugal	,,	3,153	3,85,824
,, Egypt	,,	681	68,140
,, Mauritius	,,	703	30,099
,, Ceylon	,,	176	11,549
,, Bengal, chief port	,,	25,793	17,01,513
,, Bengal, other ports	,,	172	12,199
,, Bombay, chief port	,,	27,206	15,39,011
,, Sind, chief port	,,	4,716	2,92,711
,, Madras, chief port	,,	656	43,489
,, Madras, other ports	,,	6,847	3,99,806
,, Provincial ports	,,	2,089	1,14,710
,, Pondicherry	,,	561	34,402
Total		84,456	58,68,827
Other Timber—			
To United Kingdom	Tons	3	192
,, Straits Settlements	,,	3	397
,, Bengal, chief port	,,	2,306	90,386
,, Bengal, other ports	,,	168	7,022
,, Bombay, chief port	,,	319	8,093
,, Sind, chief port	,,	408	18,697
,, Madras chief port	,,	25	1,358
,, Madras, other ports	,,	711	24,727
,, Provincial ports	,,	1,370	59,361
,, Pondicherry	,,	54	1,891
Total		5,827	2,11,804
Firewood—			
To Madras, chief port	Tons	13	80
Sandalwood—			
To Madras, other ports	Value	...	5
,, Provincial ports	,,	...	100
Total		...	105
Railway Keys—			
To United Kingdom	Cwt.	1,783	9,506
,, Bengal, chief port	,,	1,945	8,695
,, Bombay, chief port	,,	2,011	13,983
,, Sind, chief port	,,	50	80
,, Provincial ports	,,	454	1,498
Total		7,143	33,762
Wooden Sleepers—			
To Bengal, chief port	Cwt.	360	515
,, Madras, other ports	,,	1,198	2,397
Total		1,558	2,912
Wood Manufactures of—			
To Egypt	Value	...	12,983
,, Mauritius	,,	...	46,414
,, Ceylon	,,	...	1,359
,, Straits Settlements	,,	...	26,030
,, Bengal, chief port	,,	...	250
,, Bengal, other ports	,,	...	20
,, Bombay, chief port	,,	...	119
,, Madras, chief port	,,	...	63
,, Madras, other ports	,,	...	753
,, Provincial ports	,,	...	32,646
,, Pondicherry	,,	...	272
Total		...	1,20,909
Gums and Resins—			
Catch and Gambier—			
To Provincial ports	Cwt.	95	3,500
Lac—			
Stick—	Cwt.	...	...
Oils—			
Wood—	Gallo	...	...

APPENDIX H.

Statement showing Timber entered and names of Importers who have imported from 1,000 Logs and upwards for the year 1894-95.

No	Names	Number of logs
1	2	3
1	Maung Shwe O	19,358
2	Maung Tha Nhyine	9,680
3	Maung Nyo	9,637
4	Ko La Gale	6,992
5	Maung Kyaw	5,773
6	Ko Na Auk	5,365
7	Ko Pôn	4,537
8	Maung Po Khin	3,201
9	Ko Htoon Gyaw	2,803
10	Ko Kyaw La	2,328
11	Maung Htoon Tha	2,160
12	Ko Seik Ta	1,850
13	Messrs F Foucar & Co.	1,844
14	Maung Tha Dway	1,545
15	Messrs Hadjee Mahomed Usuff & Co	1,371
16	Maung Dun	1,187
17	Ko Myike	1,131

APPENDIX I.

Statement showing the names of Principal Exporters from 1st July 1894 to 30th June 1895.

No	Name of Firm.	Tons.	Remarks.
1	2	3	4
1	Messrs the Bombay Burma Trading Corporation, Limited	10,630	There were in all 92,749 tons of timber shipped from the port, including petty shippers, chettles, &c.
2	Messrs T D Findlay, Bodeker & Co	8,175	
3	Babu Bhugwan Dass	7,187	
4	Ferdinand Foucar & Co	7,036	
5	Babu Bullab Dass	5,889	
6	Babu Meinraj Murlidhur	4,743	
7	Jainaram Baijnath	3,787	
8	Babu G. Ramaswar	3,641	
9	Messrs Steel Brothers & Co., Limited	3,583	
10	E Dinshaw	2,330	
11	Messrs. H M. Usoof & Co.	1,941	
12	Messrs Kruger & Co.	1,728	
13	Babu Bhickraj Sagamul	1,616	
14	Messrs Abdul Majid Brothers & Co.	1,516	
15	Shazaram	1,396	
16	K Dwarkadass	1,142	
17	Messrs Limoozin & Co.	1,115	
18	Babu T Joharmull	1,088	
19	Messrs. Crisp & Co.	1,059	

APPENDIX J.

Statement showing the Sale Prices of Teak Timber at Home during each month of the year 1894-95.

Month.	Sale price of timber per ton. From	Sale price of timber per ton. To	Freight per ton.	Remarks.
1	2	3	4	5
	£ s. d.	£ s. d	£ s. d £ s. d.	
July 1894	5 5 0	10 10 0	40 0 0 42 6 0	Values in Europe are decidedly lower than at this time last year, and teak is more difficult of sale.
August				
September	7 10 0	11 17 6		
October	7 5 0	9 0 0		
November	6 5 0	10 0 0		
December				
January 1895				
February				
March	6 15 0	9 0 0	38 9 0 43 9 0	
April	4 15 0	7 5 0	40 0 0 45 0 0	
May	5 9 0	11 0 0	37 6 0 43 9 0	
June	4 0 0	11 0 0		

APPENDIX J (1).

Statement showing the Market Rate of Teak Timber in the Indian Market for the year 1894-95.

Month.		Bombay				Calcutta.				Remarks.
		Squares.		Scantlings		Squares.		Scantlings.		
		From	To	From	To	From	To	From	To	
1		2	3	4	5	6	7	8	9	10
		Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	
July	1894	38	98	50	93	65	95	60	95	Prices vary according to quality. Both these markets have been steady throughout the year
August	,,	...	...	...	...	...	...	...		
September	,,	...	...	...	...	...	...	...	...	
October	,,	...	...	..	...	...	...	...	...	
November	,,	...	...	...	...	...	...	...	...	
December	,,	...	.	...	...	...	...	...	...	
January	1895	...	...	...	...	...	...	...	...	
February	,,	...	.	. .	...	...	...	.	.	
March	,,	...	...	...	...	...	...	...	...	
April	,,	...	...	...	...	...	...	...	...	
May	,,	...	...	...	...	...	...	...	...	
June	,,	...	...	...	...	...	...	...	...	

APPENDIX K.

PEGU CIRCLE.

Selling Rates in the Home Market for 1894-95—Churchhill and Sims.

		£	s.	d.		£	s.	d.
July	1894	10	0	0	to	16	0	0
August	,,	10	0	0	to	16	0	0
September	,,	10	0	0	to	16	0	0
October	,,	10	0	0	to	16	0	0
November	,,	10	0	0	to	16	0	0
December	,,	10	0	0	to	16	0	0
January	1895	10	0	0	to	16	0	0
February	,,	10	0	0	to	16	0	0
March	,,	10	0	0	to	16	0	0
April	,,	10	0	0	to	16	0	0
May	,,	10	0	0	to	16	0	0
June	,,	10	0	0	to	16	0	0

APPENDIX L.

Annual Return of Jungle Woods and Bamboos passed at the Government Timber Depôt and Pasundaung Revenue Station from 1st July 1894 to 30th June 1895.

Description.		Logs.	Total	Remarks
1		2	3	4
				Rs. A. P.
Jungle woods	In	24	...	Sold in the market at 21 13 4 }
	Pyinma	239	...	Ditto 13 8 7 } per log
	Thayet	4,416	...	Ditto 6 3 10 }
			4,679	
	Boats	76		Sold in the market from Rs 274-9-10 to Rs 362-0-7 per boat.
			76	
				Rs. A. P. Rs. A. P.
Bamboos	Myin	1,324,200	...	Sold in the market at 158 9 7 to 212 14 6 }
	Kyathaung	280,370	...	Ditto 327 1 1 to 487 1 9 } per 10,000.
	Tin	451,345	...	Ditto 262 0 7 to 362 15 1 }
			2,055,915	
	Grand Total	...	2,060,670	

APPENDIX M.

Averages of Sales at the Rangoon Central Depôt, 1894-95.

		Sales.	Rs.	A.	P.	
July	1894	IV	37	12	7	} per ton.
August	,,	V	41	11	8	
September	,,	VI	44	6	7	
October	,,	VII	44	5	8	
November	,,	VIII	45	4	8	
December	,,	IX	48	7	1	
January	1895	X	39	5	4	
February	,,	XI	41	2	8	
March	,,	XII	45	0	11	
April	,,	I	43	14	11	
May	,,	II	25	14	11	
June	,,	III	30	15	10	

APPENDIX N.

Statement showning Plan of Operations proposed and Work carried out in the Pegu Circle for 1894-95.

Nature of work.	Divisions.	Operations	
		Proposed.	Carried out.
1	2	3	4
Girdling	Thayetmyo	700 teak trees	700 trees.
	Prome	4,100 teak trees	5,569 trees.
	Tharrawaddy	9,070 teak trees	7,705 trees.
	Rangoon	200 teak trees	50 trees.
	Pegu	1,600 teak trees	1,600 trees.
	Total	15,670 Total	15,624 trees.
Delivery at Rangoon.	Thayetmyo	1,100 logs	527 logs.
	Prome	2,700 logs	1,898 logs.
	Tharrawaddy	15,000 logs	17,303 logs.
	Rangoon	452 logs	150 logs.
	Pegu	2,200 logs	1,611 logs.
	Total	21,452 Total	21,491
Local delivery	Thayetmyo	...	...
	Prome	850 logs	802
	Tharrawaddy	4,000 logs	1,198
	Rangoon	200 logs (pyinkado)	...
	Pegu	300 logs	319
	Total	5,350 logs Total	2,319
Clearing stream ..	Tharrawaddy	Blasting in Taungnye stream and clearing streams and bridges.	Done.
Collection of drift	Thayetmyo	500 logs	224
	Prome	300 logs	205
	Tharrawaddy	...	...
	Rangoon	300	300
	Pegu	300	206
	Bassein	...	298
	Henzada	...	152
	Total	1,400 Total	1,385
Roads and bridges	Prome	...	Prome office road repaired.
	Tharrawaddy	Repairs to Kangyi, Bawbin, Zigon, Hmawin Hmya chaung roads.	Done, excepting the latter.
	Rangoon	Repairs to old bridges and construction of a new bridge	Effected.
	Pegu	Clearing paths in Zamayi and construction of a bridge at Hlegu.	Done.
Buildings	Thayetmyo	Repairs to buildings.	
	Prome	(1) Rest-house at Gyobinaing and (2) repairs to bungalow and five rest-houses.	(1) Nearly finished and other Kainggwin commenced. (2) Effected to bungalow and six rest-houses.
	Tharrawaddy	(1) Subdivisional bungalow ... (2) Out-houses at Kunsan Bawlin Nyanie ... (3) Repairs to bungalow office and rest-house ...	(1) Not done. (2) Completed last year. (3) Effected.
	Rangoon	Repairs general ...	Three rest-houses repaired.
	Pegu	Repairs to bungalow and three revenue stations ..	Effected.
	Bassein	Completion of the forest bungalow and repairs to the depôt house.	Effected.
Reserves, proposals, and settlements.	.....	.....	
Demarcation	Prome	Five cutch reserves ...	Demarcated.
	Tharrawaddy	Myoic reserve ...	Done last year.
	Rangoon	Pyinbongyi, Shwelauug, Kodugwe and Pyinma reserves	Demarcated.
Repairs to boundaries of reserves.	Thayetmyo	Where necessary ...	Effected to those of three reserves.
	Prome	Middle and South Nawin and Chaungzauk ...	Carried out.
	Tharrawaddy	Where necessary ...	Completed last year.
	Rangoon	Petty repairs ...	Carried out.
	Pegu	Letpan and Paunglin reserves with Karen area ...	Carried out.
Inspections	Thayetmyo	All boundaries ...	Made as much as possible.
	Prome	All outer boundaries ...	Outer boundaries of compartment girdled over and together with boundaries of new cutch reserves.
	Tharrawaddy	Boundaries of reserves ...	None made.
	Rangoon	As much as possible ...	Outer boundary of Okkan and parts of those of Hlaing, Thitpyat, Kyunchaung, and Hmawbi reserves.
Surveys	Rangoon, Pegu	By topographical Survery party ...	Detail survey of square mile. Detail survey of square of reserves.
Working plans	Tharrawaddy	For Thindawyo, Satpok and Thakolan reserves ...	Not framed.
Sowing and planting.	Thayetmyo	499 acres	441 acres.
	Prome	492 acres	510 acres.
	Tharrawaddy	1,259 acres	1,303 acres.
	Rangoon	17 acres	15 acres.
	Pegu	85 acres	74 acres.
	Total	2,352 acres Total	2,343 acres.
Weeding	Thayetmyo	acres	434 acres.
	Prome	2,987 acres	2,912 acres.
	Tharrawaddy	5,906 acres	5,450 acres.
	Rangoon	648 acres	306 acres.
	Pegu	880 acres	886 acres.
	Total	10,421 Total	10,078 acres.

APPENDIX N.

Statement showing Plan of Operations proposed and Work carried out in the Pegu Circle during 1894-95—concluded

Nature of work.	Division	Operations	
		Proposed	Carried out
1	2	3	4
Inspection of plantations,	Thayetmyo		As much as possible
	Prome		
	Tharrawaddy		
	Rangoon		
	Pegu		
Fire protection	Thayetmyo		
	Prome	32,322	
	Tharrawaddy	78,879	77,926
	Rangoon	4,307	Carried out.
	Pegu	40,838	ditto
	Total	156,346	Total ...
Inspection of burnt plantations	Thayetmyo	Arears of 1894	Inspected
	Prome	26 acres	.....
	Tharrawaddy	618 acres	276
	Pegu	Areas of 1894	Inspected.
Works of Improvement	Thayetmyo		Tindaw and East Yoma
	Prome	6,814 acres	7,798 acres
	Tharrawaddy	15,708 acres	15,298 acres
	Pegu		Girdled area Kadat reserve
Maintenance of forest gardens, Tharrawaddy			Maintained
Inspection of depots and revenue stations			Made
Stock taking at depôts			Taken

APPENDIX O.

Marginal Notes and Endorsements by Deputy Commissioners and Commissioners on the Forest Divisional Reports of the Pegu Circle for the Forest year 1894-95.

Thayetmyo Division.

Remarks by Lieutenant-Colonel C. H. E. ADAMSON, C.I.E., Commissioner of the Southern Division, on the Thayetmyo Divisional Report.

Portions of the report commented on.	Remarks.
* * * *	
Owing to numerous petitions to the Commissioner from villagers in the Myedè and Minhla townships, the cutting of cutch trees under 15 inches girth at the base is permitted as a temporary measure in taungya cultivation [See Government Notification No. 60 (Forest), dated 20th February 1895.]	THIS was rendered necessary owing to the bad crops.
* * * *	
The working of an illicit saw-pit for the conversion of green teak was discovered and led to conviction of six men to six months' rigorous imprisonment and a fine of Rs. 40 each, or one month extra in default, and to the confiscation of the sawn timber, which was sold for Rs. 380-6-9. That the punishment was sufficient is evident, but the risks of appeal to a higher Court for enhancement were too great to be indulged in. The Forest subordinates inculpated were punished departmentally.	If Forest subordinates are implicated, they should be punished more heavily than the real offender as there is no doubt they profit largely by their connivance. Six months' rigorous imprisonment is not a light punishment in my opinion.
* * * *	
These villagers, instigated by cutch brokers in Minhla and by the Tindaw thugyi in Myedè, were induced to petition the Commissioner on tour that they could not cultivate yas without being fined by the Forest department for injuring the cutch trees on the land. The Deputy Commissioner was ordered to investigate the matter and was accompanied by the Divisional Forest Officer. A joint report was sent in stating that ya cultivation could be carried on without much damage to cutch trees if only the same care would be taken that would be shown supposing the said cutch trees were fruit trees.	Probably, if as much care were taken of cutch trees as of fruit trees, it would not pay to work the yas.

Endorsement by J. N. O. THURSTON, Esq., Deputy Commissioner, Thayetmyo,—No. 1104-1—17, dated the 16th August 1895.

FORWARDED.

Prome Division.

Endorsement by Lieutenant-Colonel C. B. COOKE, Commissioner of the Pegu Division,—No. 516-6F.—18, dated the 22nd August 1895.

FORWARDED.

From A. GAITSKELL, Esq., Deputy Commissioner, Prome, to the Commissioner of the Pegu Division,—No. 1298-1F.F., dated the 17th August 1895.

I HAVE the honour to forward the report of the Deputy Conservator of Forests for the past year 1894-95 on the work of the Prome Forest division and to note the following.

The number of cases brought to trial have been 2½ times more numerous than the year before, but the percentage of convictions is satisfactory. Most of the cases have been brought for cutting cutch and teak. Some of the cases might, I think, have been compounded for small sums. The offenders are generally poor men. Magistrates' opinions on the severity of sentences differ widely.

The Deputy Conservator of Forests informed me that the large increase in the revenue on unreserved timber is due to more pyinkadô licenses being taken out by the Bombay Burma Trading Corporation, Limited, to make railway sleepers.

The slight increase at Shwedaung and Paungdè in the firewood revenue is due to the better registration.

The increase in the bamboo revenue is noteworthy. Officers were appointed to check the transport of bamboos on the nearest routes to the river, and the result is due to better checking.

The decrease in the revenue in lac is large, and the proposal of the Deputy Conservator of Forests is a good one and will put a check on over-extraction.

Tharrawaddy Division.

Endorsement by Lieutenant-Colonel C. B. COOKE, Commissioner of the Pegu Division,—No. 524-6F.—18, dated the 28th August 1895.

FORWARDED.

Portions of the report commented on.	Remarks by Captain J. J. CRONIN, Deputy Commissioner, Tharrawaddy.
* * * *	
Mr. Rivett was in Kangyi all this time doing his best to put out fires and catch the delinquents who were setting fire to the reserve, but without avail. The whole reserve was burnt including every acre of plantation. Rs. 100 were offered for information leading to the identification of the culprit, and Mr. Messer, Assistant Conservator of Forests, himself went and held an enquiry, but no arrests were made. Area burnt 4,914 acres including 449 acres of plantations.	If the pay of the cooly gaung, coolies, and and forest guards employed in this reserve were stopped on the occasion of a fire occurring till the culprits were discovered, this sort of thing would soon cease.
* * * *	
Chaungsauk.—Fire entered the reserve on the 12th March and probably crossed from the traces after the watchers had left 3 acres of forest and ½ an acre of 1894 yas were burnt.	The reserve was probably burnt out of malice and with the object of getting the gangs into trouble. Being outside any headmen's jurisdiction, no assistance under the Lower Burma Village Act can be given. The Forest Officers must make their own arrangements to cope with the mischief.
* * * *	
Minhla.—On the 15th March the forester found the reserve on fire in three places. There were no signs of its having crossed the fire-trace, so the fires must have originated inside the reserve, but whether from incendiarism or the carelessness of trespassers cannot be said. By this fire 1,147 acres of forest and 257 acres of taungyas were burnt.	Probably by villagers in the vicinity in search of fodder for their cattle and who know that the young grass springs up in abundance shortly after a fire. All grazing in reserves should be stopped if fire takes place in it.
* * * *	
On the 20th April fire crossed from Môka reserve (or originated in Compartment 1 and thence spread to Môkka) and 126 acres were burnt including 24 acres of plantations. Cause of fire unknown, but incendiarism suspected.	The culprits are probably to be found among the coolies employed on the fire-paths and villagers collecting jungle produce. More carelessness than malice.
* * * *	
Extraction roads are absolutely wanting and, until these are opened up, there is little probability of finding a sale for the pyinkado inside the reserve.	These are much needed.

Rangoon Division.

Endorsement by Lieutenant-Colonel C. B. COOKE, Commissioner of the Pegu Division,—No. 588-6T.—18, dated the 24th August 1895.

FORWARDED

From H. M. S. MATHEWS, Esq., Deputy Commissioner, Hanthawaddy, to the Conservator of Forests, Pegu Circle,—No. 150-2, dated the 24th August 1895.

I HAVE the honour to forward the annual forest report of the Rangoon Division for the year 1894-95 with the following notes thereon :—

Portions of the commented on.

* * * *

Four tracts in the Twantè subdivision with an area of approximately 157·67 square miles have been preliminarily notified as fuel reserves.

It is proposed to hold the inquiry about these during the ensuing cold season.

I am afraid that considerable portions of these tracts are not suitable for reservation. Numerous objections to the proposed reservations have of course been received as some of the notified kwins include large tracts of cultivation. The issue of grants in these tracts and extensions of existing cultivation have been prohibited.

* * * *

General protection and breach of forest law.

In the Hlaing range protection seems to have been *nil* and the ranger can have exercised no supervision at all as the Divisional Officer discovered numerous offences on tour. The most important of these was that of Maung Kyi, who erected six saw-pits in the Kyun reserve and converted pyinkado without a license of any sort. This case was sent into Court and the accused was let off with a fine of Rs. 50. I have sent the case up for revision as this seemed to me a most inadequate punishment. In the same reserve many pottas were found to have been given out beyond the prescribed limits. This has been dealt with in a special report which has already been sent in.

The case of Maung Kyi was referred by me to the Judicial Commissioner and orders have not yet been received.

As regards the Kyun chaung reserve, it is, I think, a great pity that encroachment should have been permitted. There is no doubt that the area in which cultivation grants and clearing by the Railway department were permitted should have been carefully demarcated off from the remaining portion of the reserved forest.

* * * *

As in former years the Thabyu and Magayè reserves were thrown open to grazing during the rains on payment of a fee.

I did not know that grazing fees were collected in the Thabyu and Magayi reserves and I am inclined to think that this system of charging for pasturage is rather against the principles laid down in a late Resolution of the local Government.

* * * *

A great number of cattle are kept at Pa-lôn, and, if it were not for the reserves, the owners would find it hard to pasture them during the rains when the fields are under cultivation.

Pegu Division.

Endorement by Lieutenant-Colonel C. B. COOKE, Commissioner of the Pegu Division,—No. 349, dated the 14th August 1895.

FORWARDED.

Endorsement by G. E. R. GRANT-BROWN, Esq., Deputy Commissioner, Pegu,—No. 3008, dated the 12th August 1895.

FORWARDED. The Payagale Myoôk will be called to account for the great delay which has occurred in his Court in the disposal of forest cases.

Portion of the report commented on.

* * * *

In one case in which proceedings were instituted against 40 men in the Court of the Payagale Myook, 27 of the accused have still to be dealt with in spite of repeated reminders. They all live within 3 or 4 miles of Payagale and the case (which is one of breach of Rule 8) would take but a very short time to try.

A very unsatisfactory Magistrate.

Bassein-Myaungmya Division.

Endorsement by H. S. HARTNOLL, Esq., Deputy Commissioner, Bassein,—No. 1283, dated the 19th August 1895.

FORWARDED to the Deputy Commissioner, Myaungmya.

Endorsement by Captain G. E. T. GREEN, Deputy Commissioner, Myaungmya,—No. 500, dated the 26th August 1895.

FORWARDED to the Conservator of Forests, Pegu Circle.

Portions of the report commented on.	Remarks by H S HARTNOLL, Esq, Deputy Commissioner, Bassein
* * * *	
Steps have therefore been taken to bring under reservation as soon as possible favourably situated tracts, and during the past year two such tracts were chosen and proposals regarding them submitted These two areas alone, however, were by no means sufficient to meet the demand which is likely to ensue on the country becoming more thickly populated, and consequently other areas will have to be chosen later on	I HAVE recently reported on the question of fuel reserves for Bassein In certain parts of the district natural conditions will probably always preserve an adequate supply of firewood In other parts grazing grounds might be used to furnish a supply of fuel
Besides reserving tracts for the supply of small timber and minor produce, the necessity of taking up and bringing under strict rules of forest conservancy areas in which timber of large size can be produced has been made apparent by the steady demand there is on the forest for such timber and the poorness of natural reproduction	As regards timber of large size, the sooner the forests along the Yomas are reserved the better The large trade in sleepers may be unduly using up the pyinkado.
* * * *	
In the bamboo forests in the Shangwin circle of the Bassein district natural reproduction is said to be seriously hindered and much damage done to standing stock by fires being allowed to spread from taungyas	I have not had this specially brought to my notice before
* * * *	
Another man, Maung Po Thet, depôt gaung, who hitherto had been supposed to bear a good character and had only lately been promoted, was also accused of having taken an illegal gratification. He was prosecuted by order of the Deputy Commissioner, but was acquitted for want of evidence	There is little doubt as to his guilt, but the witnesses altered their statements

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Henzada-Thôngwa Division.

From W. T. HALL, Esq, Officiating Commissioner of the Irrawaddy Division, to —No 4820-5T— 12, dated the 17th August 1895

I HAVE the honour to forward the Forest Annual Report for 1894-95, with the remarks of the Deputy Commissioners of Henzada and Thôngwa

I fear it would cost a good deal of money to open the Mamya lettet and to prevent the water of the Mamya chaung going into Tu lake Since the water took its present course Tu Lake has been greatly altered

Inquiry is being made as to the extent to which reserves interfere with cultivation and a report will shortly be submitted, but it may be stated that in this division it is believed that the interests of agriculturists and others living in the neighbourhood are not to any extent affected by the existing reserves

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Remarks by Captain F D MAXWELL, Deputy Commissioner, Thôngwa,—No 3256, dated the 12th August 1895

THE area of the Meinmahla must be nearly 80 square miles It has now been reserved

---

Remarks by T C MITCHELL, Esq, Deputy Commissioner, Henzada,—No 971, dated the 5th August 1895

I THINK the proposal to open up the Mamya-lettet worth considering. There ought not to be much difficulty in the matter, I think

Marginal notes and endorsements by Deputy Commissioners and Commissioners on the Forest Division Reports of the Tenasserim Circle for the forest year 1894-95.

Kado Division.

Endorsement by H. B. HAWKES, Esq., District Magistrate, Papun,—dated the 28th August 1895.

FORWARDED.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—No. 5151-1580, dated the 6th September 1895.

FORWARDED to Conservator of Forests, Tenasserim Circle.

Endorsement by G. W. SHAW, Esq., Deputy Commissioner, Amherst,—dated the 23rd August 1895.

READ and forwarded to Deputy Commissioner, Thatôn.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—No. 5152-1580, dated the 6th September 1895.

FORWARDED to Conservator of Forests, Tenasserim Circle.

Salween-Attaran Division.

Endorsement by R. C. M. SYMNS, Esq., Officiating Deputy Commissioner, Thatôn,—dated the 26th August 1895.

FORWARDED.

Endorsement by G. W. SHAW, Esq., Deputy Commissioner, Amherst,—No. 2455, dated the 7th September 1895.

FORWARDED.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—No. 5360-1580, dated the 12th September 1895.

FORWARDED.

West Salween Division.

Endorsement by R. C. M. SYMNS, Esq., Officiating Deputy Commissioner, Thatôn,—dated the 26th August 1895.

RECEIVED and forwarded.

Endorsement by H. B. HAWKES, Esq., District Magistrate, Papun,—dated the 4th September 1894.

FORWARDED.

Toungoo Division.

From Lieutenant-Colonel T. M. JENKINS, Deputy Commissioner, Toungoo, to the Conservator of Forests, Tenasserim Circle (through the Commissioner, Tenasserim Division),—No. 11-2445, dated the 23rd August 1895.

I HAVE the honour to forward herewith the Annual Report of the Toungoo Forest division for the year 1894-95.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—No. 4974-1580—4, dated the 30th August 1895.

FORWARDED.

Shwegyin Division.

From Lieutenant-Colonel T. M. JENKINS, Deputy Commissioner, Toungoo, to the Deputy Commissioner, Pegu,—No. 12-2504, dated the 26th August 1895.

I HAVE the honour to forward herewith the Annual Report of the Shwegyin Forest Division for 1894-95, and to request that you will be so good as to send it to the Conserva-

tor of Forests, Tenasserim Circle, through the Deputy Commissioner, Thatôn, and the Commissioner, Tenasserim Division.

Endorsement by G. E. R. GRANT-BROWN, Esq., Officiating Deputy Commissioner, Pegu,—dated the 29th August 1895.

FORWARDED to Deputy Commissioner, Thatôn.

Endorsement by R. C. M. SYMNS, Esq., Officiating Deputy Commissioner, Thatôn,—dated the 3rd September 1895.

SUBMITTED to Commissioner, Tenasserim Division.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—dated the 9th September 1895.

FORWARDED to the Commissioner of the Pegu Division.

Endorsement by Lieutenant-Colonel C. B. COOKE, Commissioner of the Pegu Division,—No 208, dated the 11th September 1895

FORWARDED to Conservator of Forests, Tenasserim Circle.

South Tenasserim Division.

Endorsement by E. A. MOORE, Esq., Officiating Deputy Commissioner, Tavoy,—No. 1011, dated the 1st September 1895.

FORWARDED to Deputy Commissioner, Mergui.

Endorsement by Captain A. B. PRITCHARD, Officiating Deputy Commissioner, Mergui,—dated the 9th September 1895.

FORWARDED to Commissioner.

Endorsement by A. M. B. IRWIN, Esq., Officiating Commissioner of the Tenasserim Division,—No. 5698-1580, dated the 24th September 1895.

FORWARDED.

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UPPER BURMA APPENDICES.

FORM NO. 46.—*Statement showing Area of Reserved, Protected, and Unclassed Forests in the Eastern and Western Circles for the year 1894-95*

Division.	Range	Civil district or territory	Name of forest.	Area on 1st July 1894		Added during the year.	Excluded or transferred to other heads	Area on 30th June 1895		No. and date of notification of addition or transfer, &c	Remarks.
				Acres	Equivalent in square miles	Acres.	Acres.	Acres	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
			EASTERN CIRCLE								
			I.—Reserved Forests								
Bhamo	Shwegu ...	Bhamo ...	Setkala	23,040	36	2,560*	..	25,600	40	37F., 1st January 1893 ...	* Survey correction.
	do ...	do ...	Nampa	57,600	90	...	..	57,600	90	29F, 27th January 1894 ..	Includes 13 square miles subject to ya-cutting privileges
	Sinbo ..	Myitkyina ...	Taungbalaung	20,480	32	..	..	20,480	32	60F, 15th February 1894 ...	Includes 18 square miles subject to ya-cutting privileges.
	do ...	Bhamo and Myitkyina.	Uya Hatha	15,360	24	...	...	15,360	24	186F, 11th May 1894	
			Total Bhamo ...	116,480	182	2,560	...	119,040	186		
Katha ...	Mesa	Katha	Mohnyin	44,800	70	..	22,400§	22,400	35	378F, 6th October 1893 .	§ Survey correction
			Mawhun	26,880	42		...	26,880	42	450F, 11th November 1893.	
			Petsut	23,680	37	7,680†	...	31,360	49	231F, 4th June 1894 ...	Includes 5 square miles subject to ya-cutting privileges and 2 square miles subject to ya-cutting for 5 years
			Auktaw	23,680	37	1,920†	...	25,600	40	467F., 10th December 1894..	Includes 2 square miles subject to ya-cutting privileges.
			Kalat	..	...	15,360†	...	15,360	24	439F, 22nd November 1894	† The areas differ from those given in the notification owing to survey corrections.
			Nami	...	...	16,000	...	16,800	25	467F., 10th December 1894 .	Includes 1 square mile subject to ya-cutting privileges.
			Tatlwin	...	...	45,080	...	46,080	72	39F., 1st February 1895.	
			Pilè	...	...	8,960	...	8,960	14	131F, 16th April 1895	
			Pyindà		...	39,680	...	39,680	62	199F., 14th June 1895 ..	Includes 1 square mile subject to ya-cutting privileges
			Total Katha ...	119,040	186	135,680	22,400	232,320	363		
Ruby Mines.	Ruby Mines	Ruby Mines	Ôngaing	2,880	4	...	...	2,880	4	31F., 11th February 1891	
			Bamôn	920	1	...	...	920	1		
			Mogôk	560	1	.	...	560	1		
			Yebu	400	1	...	...	400	1		
			Peikswe	440	1	..		440	1		
			Kyinidaung	2,000	3	...	...	2,000	3		
			Bernardmyo	12,160	19	...	...	12,160	19		
			Kathe	1,280	2	.	..	1,280	2	32F., 11th February 1891.	
			Kyatpyin	1,840	3	..	..	1,840	3	33F,	
	Lower Shweli	Möngmit	Nammè	106,880	167	..	...	106,880	167	38F, 31st January 1893	Includes 13 square miles subject to ya-cutting privileges.
			Kunchaung	43,520	68	...	...	43,520	68	39F,	
			Maingtha	110,720	173	...	...	110,720	173	40F,	Includes 42 square miles subject to ya-cutting privileges.
	Upper Shweli.	ditto	Nahan	60,800	95	...	...	60,800	95	41F,	
			Nampaw	56,320	88	...	...	56,320	88	42F,	Includes 9 square miles subject to ya-cutting privileges.
			Total Ruby Mines ...	400,720	626	...	...	400,720	626		

Pyinmana	—	Ye-u	Yabin		38,400	60	—	—	38,400	60	42F.,	5th February 1894.
			Pyaungthwè		44,800	70	—	—	44,800	70	43F.,	
			Maingwun		38,400	60	—	—	38,400	60	44F.,	
			Sareiktha		7,720	12	—	—	7,720	13	120F.,	
			Nankyitha		66,560	104	—	—	66,560	104	121F.,	
			Nanbyan		21,120	33	—	—	21,120	33	122F.,	
		Katha	Tinwa		14,040	21	—	—	14,040	21	123F.,	30th March 1894.
			Nabè		7,680	12	—	—	7,680	12	124F.,	
			Wabo		10,240	16	—	—	10,240	16	125F.,	
			Kalawpa		5,120	8	—	—	5,120	8	126F.,	
			Makwa		—	—	5,760	—	5,760	9	377F.,	1st October 1894.
			Budaung		—	—	19,840	—	19,840	31	378F.,	
			Total Mu		254,080	397	25,600	—	279,680	437		
	Lèwè	Yamèthin	Yauangmyin		8,960	14	—	—	8,960	14	298F.,	Subject to ya-cutting privileges.
			Yeni		42,240	66	—	—	42,240	66	303F.,	
			Minbyin		92,800	145	—	—	92,800	145	305F.,	Includes, 32 square miles subject to ya-cutting privileges
			Yôabin		83,200	130	—	—	83,200	130	306F.,	Includes 18 square miles subject to ya-cutting privileges
	Taunguyo	ditto	Kaung		12,800	20	—	—	12,800	20	299F.,	3rd December 1891. Includes 5 square miles subject to ya-cutting privileges up to December, 1896.
			Paiwè		83,200	130	—	—	83,200	130	300F.,	
			Pezaungtaung		44,800	70	—	—	44,800	70	301F.,	
			Taungnyo		64,000	100	—	—	64,000	100	302F.,	Includes 44 square miles subjectto ya-cutting privileges.
			Ngalaik		70,400	110	—	—	70,400	110	304F.,	
			Total Pyinmana		502,400	785	—	—	502,400	785		
			Total taungya areas		138,960	217	1,280	—	140,240	219		
			Total area free from taungya privileges.		1,253,760	1,959	162,560	22,400	1,393,920	2,178		
			Total reserved forests, Eastern Circle.		1,392,720	2,176	163,840	22,400	1,534,160	2,397		
			II.—Protected Forests.									
							Sq. miles.	Sq. miles.				
Bhamo	Sinbo	Myitkyina	Hmaungin		—	9	—	—	—	9		
			Nökcho, Sinbo		—	30	—	—	—	30		
			Maupwa, Sinbo		—	30	—	—	—	30		
	Mogaung	ditto	Namkwan-Taungni		—	50	—	—	—	50		
		Myitkyina, Katha, and Bhamo.	Indawgyi		—	20	—	—	—	20		
			Kaukkwè		—	250	—	—	—	250	—	Proposed Nansônti reserve, 80 square miles.
	Shwegu	Bhamo	Sinkan valley		—	396	—	—	—	396		
			Sinkan and Nansin	St-u	—	70	—	—	—	70		
				Nanban	—	8	—	—	—	8		
				Pankaung	—	4	—	—	—	4	—	Proposed reserves.
				Munsin	—	9	—	—	—	9		
				Simaw	—	13	—	—	—	13		
			Movu		—	20	—	—	—	20		
			Shwegu		—	30	—	—	—	30		
			Nampa Wema		—	36	—	—	—	36		
			Mosit		—	200	—	—	—	200	—	Proposed Mosit reserve, 130 square miles.
			Indaw		—	30	—	—	—	30		
	Bhamo	ditto	Tapaing		—	20	—	—	—	20		
			Moiè		—	100	—	—	—	100		
			Bhamo (Nansiri)		—	20	—	—	—	20		
			Hakan and Upper Defile		—	50	—	—	—	50		
			Total Bhamo		—	1,365	—	—	—	1,365		
			Carried over		—	1,365	—	—	—	1,365		

FORM NO. 46.—*Statement showing Area of Reserved, Protected, and Unclassed Forests in the Eastern and Western Circles for the year 1894-95*—contd.

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		No. and date of notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
			EASTERN CIRCLE—contd			Sq miles.	Sq miles.				
			II—PROTECTED FORESTS—continued								
			Brought forward ...	...	1,365	...	...	...	1,365		
			Petsut	...	12	...	12	...	...		
			Auktaw	..	1	2	3	...	...	------	Transferred to reserves.
			Nami	...	24	1	25	...	...		
			Nankan	..	37	...	...	...	37	------	Proposed reserve.
			Pitè	...	14	...	14	...	...		
			Pyindè	..	62	...	62	...	...	------	Transferred to reserves.
			Tatiwin	...	72	...	72	...	...		
	Meza ...	Katha	Taungchaung	...	15	...	...	..	15		
			Banmauk	...	10	...	...	...	10		
			Kalat	..	24	...	24	...	...	------	Transferred to reserves
			Konbaung	.	20	...	...	..	20		
			West Nami	...	14	36	...	..	50		
			Nanbin	...	5	...	...	...	5	------	Proposed reserve.
			Zithaung Mayathein	...	...	20	...	...	20	------	Pyinkado forests.
			Mohawin West extension ...	...	...	2	...	...	2		
			Moda-Thithadaw	...	5	...	...	..	5		
Katha ...	Irrawaddy, North.	Katha	Moda-Yinke	...	80	...	...	...	80		
			Nattaga-Kalôn	.	40	...	...	..	40		
			Tigyaung-Kalôn	.	40	...	..	...	40		
			Kônga	..	...	10	.	..	10		
			Hentha	...	25	...	..	...	25		
			Taukta Kugyi	...	10	...	..	...	10		
			Nausein	...	...	40	..	...	40		
			Zibin	...	5	...	...	...	5		
	Irrawaddy, South.	Ruby Mines	Udaung-Wapyudaung	...	20	.	...	..	20		
			Nyaungtauk	.	5	...	...	...	5		
			Pôngôn-Naunglôn	..	10	...	...	..	10	------	Catch area.
			Kyaukhnyat-Twingè	...	5	..	...	...	5	------	
			Twingè Thabyetkyin	...	15	...	...	...	15	------	Mixed catch and teak.
			Yedwet-Magyigôn	...	25	.	...	...	25	------	Pyinkado forests.
			Total Katha ...	...	595	111	212	...	494		
			Upper Nampaw	...	80	...	..	..	80		
			Molo-Kyauktabo	...	10	...	.	...	10		
			Lwewin ...								
			Lwekin	..	28	...	...	...	28		
	West Shweli.	Môngmit	Lônsa	..							
			Kônmaw-ôn	..							
			Matataung	...	6	...	...	...	6		
			Nampan	..	30	...	...	..	30		
			Zingyan chaung	...	10	..	..	..	10		
			Leti or Nanlaung	...	10	...	...	...	10		
			Tadaunggwe	...	5	...	...	...	5		

Ruby Mines	Mogôk sub-division	Ruby Mines	Sagadaung				30				30	
	Lower Shweli.	ditto	Ingyin									
			Hlebo									
			Ingyimbin				150				150	
			Nyaungbintha									
			Waingôn									
	ditto	Môngmit	Nga-o-Wettu				30				30	..... Pyinkado forests.
			Ngo-Sin				29				29	
			Namme				15				15	
			Total Ruby Mines				433				433	
	Hlaingdet	Meiktila	Alogtha				4				4	..... Proposed reserves.
			Thinbônchaung				3				3	
			Shamangè				10				10	
			Mahlaing				10				10	
		Yamèthin and Meiktila.	Myittha				430				430	
	Kyaukse	Kyaukse	Panlaung				100				100	
		Raw State	Zawgyi				10				10	
	Singu		Kadetchin				20		3*		17	* Area reduced on survey.
			Maleggyi					26			26	
			Singu Nwevôn								18	..... Proposed reserves.
			Singu Chaunggyi				50	9			21	
Mandalay			Singu Nattaung								20	
		Mandalay										
	Madaya		Madaya Chaungthapaw								32	
			Madaya Satthwagyaung								33	
			Madaya Dandin								29	..... * Proposed reserve.
			Madaya Kingyaung				200		8*		40	
		Ruby Mines	Madaya Ohmôn								12	
			Madaya Nanaw								25	
			Madaya Letpetchaung								21	
		Hsipaw	Madaya Kainggyi				100	26			126	
		Mandalay					170				170	
		Hsipaw					252				252	
		Hsipaw State, Hsum Hsai	Myitogè				126				126	
		North Hsinwi (Theinni).					60				60	
			Total Mandalay				1,545	61	11		1,595	
Mu		Shwebo	Hnaw				705				705	
			Indaukkha				300	8			308	
			Thaw				163				163	
			Pennè								10	..... Proposed reserves.
			Hnetpyittaung or Sadwingyi				30				53	
			Baw				90				90	
			Kaubalu								8	
			Kangyi								13	..... Proposed reserves.
			Aukte								6	
			Zigôn								6	
			Pyinsala				509	8			451	
			Chaukywa				250				250	
			Carried over				2,047	16			2,063	

FORM NO. 46.—*Statement showing Area of Reserved, Protected, and Unclassed Forests in the Eastern and Western Circles for the year 1894-95*—contd.

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		No. and date of notification of addition or transfer, &c.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
			EASTERN CIRCLE—concluded.			Sq. miles.	Sq. miles.				
			II.—PROTECTED FORESTS—concluded.								
			Brought forward	...	2,047	16	...	...	2,063		
Mu	...	...	Katha								
			Nammaw (Kyundawgyi) ...	...	18	...	...	...	18		
			Namma ...	...	32	...	...	...	32		
			Nanyônga ...	...	20	...	...	...	20		
			Khansa ...	...	51	...	...	...	30	.....	Proposed reserve.
			Mawkwin ...	...	119	...	...	...	140		
			Inga ...	...	23	...	...	...	23		
			Se-aing ...	...	10	...	...	...	10	.....	Proposed reserves.
			Laga ...	...	58	...	...	...	58		
			Tigyaing ...	...	60	...	...	...	60		
			Eyinchaung ...	...	6	...	...	...	6		
			Kyaukpya ...	...	4	...	...	...	4		
			Tinwachaung ...	...	20	...	...	...	20		
			Nammaw (Daungyo) ...	...	10	...	...	...	10		
			Kin ...	...	15	...	...	...	15		
			Segyingôn ...	...	10	...	...	...	10		
			Taungmaw ...	...	10	...	...	...	10		
			Môkwa ...	...	9	...	9	...	...	.....	Transferred to reserves.
			Budaung ...	...	31	...	31	...	...		
			Taman ...	...	160	...	...	...	160		
			Manyu ...	...	150	...	...	...	150		
			Mankin ...	...	63	1	...	...	64		
			Swele ...	...	100	...	...	...	100		
			Phale ...	...	52	8	...	...	60		
			Total Mu ...	...	3,078	25	40	...	3,063		
	Lâwè	Yamèthin	Yeni ...	...	19	...	...	...	19		
			Minbyin ...	...	25	...	...	...	25		
			Yôubin ...	...	10	...	...	...	10		
			Yanaungmyin ...	...	5	...	...	...	5		
			Kaing ...	...	40	...	...	...	40		
			Palwe ...	...	10	...	...	...	10		

Pyinmana	Taungnyo	Yamèthin	Ngalaik ...	...	...	30	...	...	30
			Taungnyo	...	...	20	...	...	20
			Pozaungtaung	...	...	70	...	...	70
			Paungyi-taung	...	...	400	...	...	400
			Sinthe	...	...	175	...	...	175
	Yamèthin	ditto	Myohla	...	...	50	...	...	50
			Shwemindin	...	...	60	...	...	60
			Kyauzu	...	...	70	...	...	70
			Hlawzin	...	...	40	...	...	40
			Yanaung	...	...	20	...	...	20
			Total Pyinmana	...	...	1,044	...	...	1,044
Southern Shan States.	...	Hsahtung (Thatôn)	Hsahtung (Pawn)	...	...	130	...	...	130
	...	Mawkmai	Nampawn	...	...	70	...	...	70
			Kantu-long (Kadugyi)	...	...	40	...	...	40
			Namteng	...	...	30	...	...	30
			West Salween	...	...	20	...	...	20
			East Salween	...	...	50	...	...	50
	...	Möngpan	Nampan	...	...	25	...	...	25
			Namteng	...	...	25	...	...	25
			West Salween	...	...	12	...	...	12
			East Salween	...	...	60	...	...	60
	...	Kengtung (Möng-nai)	Nam-sim	...	...	60	...	...	60
	...	Möngnai	Namteng	...	...	115	...	...	115
			West Salween	...	...	160	...	...	160
			East Salween	...	...	110	...	...	110
			Sahang ...	...	...	5	...	...	5
	...	Kengtung — Möngpu ...	Salween	...	...	20	...	...	20
		Kentung	Nam-sim	...	...	30	...	...	30
		Möng-hsat	Nam-sim	...	...	5	...	...	5
	...	Kenghkam	Kenghkam	...	...	12	...	...	12
	...	Möngnaung	Sai-möng	...	...	10	...	...	10
	...	Möngkung	Namlang	...	...	10	...	...	10
	...	Ywangan	Panlaung	...	...	150	...	...	150
	...	Lawksawk	Myitngè ...	...	...	144	...	...	144
			Zawgyi ...	...	...	30	...	...	30
	...	Hsa Möng Hkàm (Thamakan).	Mytha ...	...	...	30	...	...	30
			Total Southern Shan States	...	...	1,353	...	...	1,353
			Total Protected Forests	...	...	9,413	197	263	...	9,347
			Total Reserved Forests	...	...	2,176	256	35	...	2,397
			GRAND TOTAL	...	...	11,589	453	298	...	11,744

FORM NO. 46—*Statement showing Area of Reserved, Protected, and Unclassed Forests in the Eastern and Western Circles for the year 1894-95*—contd.

Division.	Range	Civil district or territory.	Name of forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		No. and date of notification of addition or transfer, &c.	Remarks.
				Acres.	Equivalent in square miles	Acres	Acres.	Acres	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
			WESTERN CIRCLE.								
			I.—Reserved Forests.								
Upper Chindwin.	Yu ...	Upper Chindwin	Kampat	37,760	59	...	...	37,760	59		
			Kindat	78,720	123	...	...	78,720	123		
			Ahlaw	31,360	49	...	...	31,360	49		
			Yu	123,520	193	...	...	123,520	193	.....	Includes 1,000 acres subject to taungya privileges.
			Total ...	271,360	424	...	...	271,360	424		
Lower Chindwin	Mingin ...	Upper Chindwin	Matu	115,200	180	...	...	115,200	180		
	Pagyi ...		Taungdwin	161,280	252	...	...	161,280	252		
		Lower Chindwin	North Yama	64,640	101	...	...	64,640	101		
	Kanni ...		Patolôn	25,600	40	...	...	25,600	40		
			East Patolôn	...	...	132,480	...	132,480	207	363, 21st September 1894.	
			Total ...	366,720	573	132,480		499,200	780		
Yaw	Gangaw ...	Pakôkku	Laungdaung	59,520	93	...	...	59,520	93		
			Kunze	69,760	109	...	...	69,760	109		
	Kyaw ...		Kyaw	80,640	126	...	...	80,640	126	.....	Includes 11 square miles subject to taungya privileges.
	Yaw		Pindaung	21,120	33	...	...	21,120	33	.....	Includes 35073 acres subject to taungya privileges.
			Man	20,480	32	...	...	20,480	32	.....	Includes 40 acres subject to taungya privileges.
			Total ...	251,520	393	...	...	251,520	393		
Minbu	Minbu ...	Minbu	Nwamadaung	23,040	36	...	...	23,040	36		
			Môn West	60,800	95	...	...	60,800	95	.....	Includes 16 square miles subject to taungya privileges
	Sidôktaya..	ditto	Pazuchaung	9,600	15	...	...	9,600	15	.....	Includes 3 square miles subject to taungya privileges.
			Tôktochaung	5,120	8	...	...	5,120	8		
			Tichaungwa	12,160	19	1,930 *	...	14,090	22	.....	
			Paungchaung	7,680	12	—	...	7,680	12		* More correct calculation.
	Taungdwin-gyi.	Magwe	Sadôn	59,200	92	...	...	59,200	92		
			Sanchaung	58,880	92	..	...	58,880	92		
			Yabê	26,880	42	..	...	26,880	42		
			Total ...	263,360	411	1,930	...	265,290	414		
			Total Reserved Forests ...	1,152,960	1,801	134,400	..	1,287,360	2,011		
			Total Taungya Areas ...	23,313	36	..	...	23,313	36		
			Total area free from taungya privileges.	1,129,647	1,765	134,400	...	1,264,047	1,975		

			II.—Protected Forests.							
Upper Chindwin	Paungbyin subdivision.	Katha	Proposed Kanti reserve	...	...	40	...	...	...	40	168, 28th April 1894	
			Nankanu	...	...	310	...	...	...	310		
			Proposed Nansi reserve	...	..	17	...	...	...	17	144, 10th April 1894	
			Proposed Nansaung reserve	...	...	10	..	...	..	10		
			Proposed Mode reserve	...	...	46	...	...	...	46		
			Chaungyi	...	...	927	...	...	...	927		
		Upper Chindwin	Uyu ...	...	...	1,250		85,120	...	1,117		Proposed Uyu and Nankobin reserves.
			Proposed Uyu reserve	...	...	...	76,800	...	...	120	26, 23rd January 1895	
			Proposed Nankobin reserve	...	...	...	8,320	.	...	13	347, 10th September 1894.	
			Nankadin ...	...	..	80	...	..	...	80		
			Proposed Nankadin reserve (a)	...	...	70	...	...	...	70	142, 10th April 1894.	(a) A small portion of this forest is situated in the Katha district.
			Proposed Namlin reserve (a)	...	...	10	...	...	...	10		
			Nanyaga ...	...	...	300	...	...	...	300		
			Proposed Nantaingwin reserve	...	...	92	...	...	...	92	142, 10th April 1894.	
			Proposed Nankut reserve	...	...	...	13,160	...	...	19	347, 10th September 1894	
			Nantaingwin ...	...	...	258	..	13,160	...	230		Proposed Nankut reserve.
			Nopin ...	...	...	60	..	...	...	60		
			Kauksa ...	...	...	250	..	...	...	250		
			Sanda ...	...	...	200	...	...	...	200		
			Nampaman and Nanka	...	...	200	..	...	...	200		
			Proposed Thawun reserve	...	..	...	24,320	.	.	38	400, 27th October 1894.	
			Chindwin upper reaches	...	...	1,250	...	24,320	...	1,312		Proposed Thawun reserve.
			Kodan ...	...	...	700	..	...	...	700		
	Yu ...	ditto	Wesalun-Wesalaung proposed reserve.	...	...	60	3,200(b)	...	...	65	163, 10th May 1895	Proposed Wesalun-Wesalaung reserve (b) More accurate information.
			Yu ...	...	...	220	..	3,200		215		
		Thaungdut ...	Thaungdut ...	...	..	150	..		.	150		
			Total Upper Chindwin ...		...	6,500	124,800	124,800	..	6,500		
Lower Chindwin.	Mingin subdivision.	Upper Chindwin	Proposed Bôn reserve	...	..	114	...	...		114	222, 11th December 1890.	
			Proposed Kyaukka reserve	...	...	32	...	...	...	32	123, 10th April 1893.	
			Proposed Labin reserve	...	...	40	...	...	...	40		
			Proposed Tau reserve	...	...	20	...	...	..	20		
			Proposed Waye reserve	...	.	22	...	...	...	22		
			Vezagyo, West bank	...	...	91	..	...	...	91		
			North Taungdwin	...	.	170	.	...	...	170		
			Maham-aing	...	...	350	...	...	...	350		
			Proposed Nwa reserve	...	...	68	...	...	...	68	495, 14th December 1893	
			Lower Myittha (cutch)			27		...	...	27		
			Napha, Mèzah, Pahank, and Sinywa.		...	...	30,080	...	...	47		Grouped together, as they will form one reserve.
			Yenge		...	...	19,200	...	...	30		
	Kanni and Pagyi	Lower Chindwin	Proposed East Patolôn reserve		...	220	...	148,800(c)		...		(c) Two hundred and seven square miles transferred to reserves and 13 square miles excluded for cultivation.
			Patolôn		...	240	...	...	...	240		
			North Yama		...	109	..	.	...	109		
			Kabru-Kabaing		...	173	...	...	...	173		
			Proposed Sladôn reserve		...	27	..	..	...	27	162, 14th April 1894.	
			Thinkadôn		..	60	16,640(d)	.	...	86		(d) Added in accordance with more accurate surveys.
			Kanni		..	100	18,560(d)	...	...	139		
			South Yama		...	10	...	..	...	10		
	Kanni ...	Shwebo ..	Hnaw		...	300	...	..	...	300		
			Total Lower Chindwin ...		..	2,173	84,480	140,800	...	2,085		

FORM NO. 46.—*Statement showing Area of Reserved, Protected, and Unclassed Forests in the Eastern and Western Circles for the year 1894-95*—concld.

Division.	Range.	Civil district or territory	Name of forest	Area on 1st July 1894.		Added during the year	Excluded or transferred to other heads.	Area on 30th June 1895		No. and date of notification of addition or transfer.	Remarks.
				Acres	Equivalent in square miles	Acres.	Acres.	Acres	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
			WESTERN CIRCLE—concluded.								
			II.—PROTECTED FORESTS—concluded								
Yaw	Kyaw	Pakôkku	Kyaw	...	379	.	...	...	379		
	Yaw	ditto	Proposed Kyaukat reserve	...	172	..	...	...	172	274, 25th November 1891	
			Hnaw (proposed reserve)	...	...	1,920	...	...	3		
			Dandi (proposed reserve)	...	.	2,560	..	...	4	416, 1st November 1894.	
			Kyi (proposed reserve)	...	...	2,560	..	...	4		
			Pemwé (proposed reserve)	...	..	5,760	..	...	9		
	Laungshe	ditto	Yaw	...	663	..	12,800	...	643	.....	Proposed reserves.
			Salin	...	400	...	...	...	400		
	Pakôkku	ditto	Môn	...	350	..	...	...	350		
			Dry belt of Irrawaddy	...	200		...	...	200		
	Gangaw	ditto	Myittha (proposed reserve)	...	...	32,000	...	...	50	51, 13th February 1895	
			Zahaw (proposed reserve)	...	...	76,800	...	...	120		
			Thôngyauk (proposed reserve)	...	...	10,880	...	...	17		
			Mozo (proposed reserve)	...	...	19,840	...	...	31	53, 14th February 1895	
			Myintha (proposed reserve)	...	...	16,640	...	...	26		
			To (proposed reserves)		...	41,600	...	...	65		
			Nanka-Taungwun (proposed reserve)		...	163,200	...	...	255		
	Myingyan	Myingyan	Upper Myittha	...	1,098	...	560,960	...	534	.....	Proposed reserves.
			Myingyan	...	700	...	...	...	700		
			Total Yaw	...	3,962	373,760	373,760	...	3,962		
Minbu	Sidôktaya	Minbu	Môn	.	811	..	...	...	811		
			Man	..	200	..	...	...	200		
			Rubber forests	...	...	32,000	...	...	50		
			Salin	...	106	.	...	...	106		
			Kyabin	...	.	32,000	...	...	50		
			Proposed Thanatchaung reserve	...	8	...	...	...	8	143, 10th April 1894.	
			Proposed Kyaukmigyaung reserve.	...	28	..	...	...	28		
			Proposed Kinmuntaung reserve	...	49	...	...	...	49	240, 13th October 1891	
	Taungdwingyi	Magwe	Proposed Ngamiochaung reserve	...	85	...	...	...	85		
			Proposed Yammale reserve	...	17	..	...	...	17		
			Yin	...	509(a)	...	...	...	309		(a) Yin and Pin include Bankôn and Lebu forests of last year
			Pin	...				...	200		
			Total Minbu	...	1,813	64,000	...		1,913		
			Total Protected Forests	...	14,448	647,040	639,360	...	14,460		
			GRAND TOTAL WESTERN CIRCLE	...	16,249	781,440	639,360	...	16,471		

Total Reserved Forests, Eastern Circle.	Taungya areas	138,960	217	1,280	..	140,240	219
	Area free of taungya privileges	1,253,760	1,959	162,560	22,400	1,393,920	2,178
	Total Reserved Forests, Eastern Circle ..	1,392,720	2,176	163,840	22,400	1,534,160	2,397
Total Reserved Forests, Western Circle	Taungya areas	23,313	36	...	...	23,313	36
	Area free of taungya privileges	1,129,647	1,765	134,400	...	1,264,047	1,975
	Total Reserved Forests, Western Circle ...	1,152,960	1,801	134,400	...	1,287,360	2,011
Grand Total Reserved Forests, Upper Burma.	Taungyas areas	162,273	253	1,280	..	163,553	255
	Area free of taungya privileges	2,383,407	3,724	296,960	22,400	2,657,967	4,153
	Grand Total Reserved Forests, Upper Burma ...	2,545,680	3,977	298,240	22,400	2,821,520	4,408
				Sq. miles.	Sq miles.		
Grand Total Protected Forests, Upper Burma	Total Protected Forests, Eastern Circle ...	...	9,413	197	263	...	9,347
	Total Protected Forests, Western Circle ...	...	14,448	1,011	999	..	14,460
	Grand Total Protected Forests, Upper Burma ...	..	23,861	1,208	1,262	...	23,807
	GRAND TOTAL RESERVED AND PROTECTED FORESTS, UPPER BURMA.	...	27,838	1,674	1,297	...	28,215

FORM NO 47 —*Statement showing the Progress made in, and the Expenditure incurred on, Forest Settlements in the Eastern and Western Circles during the year 1894 95*

Name of forest division.	Name of civil district or territory	Area already settled at commencement of the year	Area finally settled during the year. No and date of Government order according final sanction to the settlement	Name of forest settled.	Area in square miles	Expenditure incurred during the year on areas finally settled: In forest accounts	In other accounts	Entire cost per square mile of areas finally settled during the year	Area undergoing settlement. At commencement of the year: Name of tract	Area in square miles	Taken in hand during the year: Name of tract.	Area in square miles	Expenditure incurred during the year on areas undergoing settlement: In forest accounts	In other accounts	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EASTERN CIRCLE		Sq miles				Rs	Rs	Rs					Rs.	Rs	
Bhamo ...	Bhamo	186*	...	...	...	2,215	...		Mosit ...	130	...	...	727		* One hundred and eighty two square miles shown in the previous year's form difference 4 square miles survey correction
			...	...	...	...		...	Nansônti	80	...	...	432	...	
			...	...		...	...	...	...		Nanhan ...	8		...	
		...	...	...		...	...	...	...	...	Munsin	9	...	...	
		...	...	...		...	...			...	Simaw	13		...	
		...	...	...	...	...	...	...	...		Panlaung ...	4	...	...	Rs.
															Total A VII (a), in part .. 19
	Total	186				2,215				210		34	1,159		Total A VIII (a) in part 60
															Total A VIII (b) in part 3,295
															Total .. 3,374
Katha ..	Katha	151(a)	Notification No. 467F, dated 10th December 1894.	Auktaw	3†	...		...	Nankan	37†	Nanhin	5	177	...	(a) One hundred and eighty six square miles shown in previous year's form difference 35 square miles survey correction
		...		Petsut ..	12†		...		...		...			...	
				Nami ...	25		...	...	...	...	...			...	
			Notification No 39F., dated 1st February 1895	Tatlwin ..	72		...	...	...					...	† The areas differ from those given in the notifications owing to survey corrections
			Notification No 131F, dated 16th April 1895	Pilè	14		...		...	...	...	...		...	
		...	Notification No 199F., dated 14th June 1895	Pvindè ..	62	...	...		...	...	...			...	
			Notification No 439F., dated 22nd November 1894	Kalat	24†	...	...		...	...	...			...	
	Total	151		...	212	...	...		...	37	...	5	177		Total A VIII (b) Rs 177
Ruby Mines	Ruby Mines	35‡	...	...	...	...	...	...	...		...	...	...		‡ Shown under Katha division in last year's report.
	Mogmit ..	591‡	...	...	...	...	...	...		...	...	...	...		
	Total	626		...		...				...	...	...	...	...	
	Meiktila		...	...	...		...		Aingtha	4	...	...	...		
		...	...	...	...		...	...	Thinbôn ...	3	...		...	...	

Mandalay	Mandalay	...	...	.....	.....	.....	...	...	...	...	.....	..	Kingyaung	40	...								
		...	...	.....	.....	.....	...	...	...	...	.....	...	Dandin	29	...								
		...	...	.....	.....	.....	..	..	..	...	.....		Settlwaggyaung	33	...								
		...	...	.....	.....	.....	...	...	...	...	.....		Kadetchin	17									
		...	...	.....	.....	.....	...	...	...	...	.....	...	Maleggi ..	26	...								
		...	...	.....	.....	.....	...	...	...	...	.....		Nattaung ...	20	..								
		...	...	.....	.....	.....	...	...	...	...	.....		Nwerôn ...	18	...								
		...	...	.....	.....	.....	..	..	..	...	.....	...	Chaunggri ..	21	...								
	Total ...	..		.....	.....			..	..	...	.....	7		204	..								
		340§		.....	.....		..	...	...	...	Thaw ...	163	Sadwingyi ..	53¶									
	Shwebo	...		.....	.....		..	..	...	..	.....	...	Kanbalu ...	8¶									
		...		.....	.....		...	...	...	...	.....	...	Methe	¶									
		...		.....	.....		...	...	..	.	.....	...	Kangyi ..	13¶	1,680	...							
Mu		...		.....	.....		..	...	...	...	.....	..	Aukte .	6¶									
		.	Notification No. 377-F., dated 1st October 1894.		Mokwa ...	9	...	...	.	Mga ...	23	Pernè or Thaw extension.	10¶									
	Katha	57	Notification No. 378-F., dated 1st October 1894.		Budaung ...	31	..	...	...	.....	..	Khansa ...	30	...									
		...		.....	.....		...	...	...	..	.....	...	Laga ...	58¶	..	...							
		...		.....	.....		...	...	...	.	.....	...	Se-ang ...	10¶	...	...							
	Total ..	397		... ..	.....		40	..	...	..	... ..	186	.....	194	1,680	..							
Pyinmana	Yamèthin ...	785		.....	.....		...	..	..	...	.....	..	... ..	...	..	...							
	Total Eastern Circle ...	2,145		.....	.....		253	2,215	..	..	.....	440	.....	437	3,016	..							
	WESTERN CIRCLE.																						
	Upper Chindwin and Katha.	...		.....	.....		...	...	.	...	Nam'm ..	10	.....	..									
		...		.....	.....		.	.	..	..	Nangadin ...	70	.....	...									
		...		.....	.....		...	...	..	...	Modè ..	45	.....	...									
	Katha	..		... ..	.....		..	...	...		Kansi	17	.....	...									
Upper Chindwin		...	Notification No 144, dated the 29th April 1895.		Kanti ...	(b)40	...	...	...	Nansaung ...	10	... ..	...										
		..		.....	.....		...	...	...	...	.....	...	.....	...	4,583 (c)								
		424		.....	.....		...	...	...	...	Nantaingwin	92	.....	...									
		.		.....	.....		.	...	...	...	.....	...	Nankobin .	13									
	Upper Chindwin	...		.....	.....		...	...	...	...	.....	...	Nankut ...	19									
				.....	.....		...	..	...	...	.....	...	Thawan ..	38									
				.....	.....		.	...	...	...	.....	...	Uyu ...	120	...								
		...		.....	.....			..	..		.....	...	Wesalun— ...	65	.								
		...		.....	.....		...	...	...	...	.....	...	Wesalaung ..										
	Total ...	424					40	..	..	..	.....	245	.....	255	4,583	...							
		432		.....	.....		...	...	...	...	Bôn ...	114	.....	...	...								
	Upper Chindwin	...	Notification No 190, dated 5th June 1895.		Kyaukka	32	...	...	...	.....	..	.....	...	...									
		...			Labin	40	...	..	...	... ..	.	.....	...	...									
		..			Tan	20	..	..	...	.....	..	.....	...	...									
Lower Chindwin		.			Waye	19	..	...	...	.....	..	... ..	...	...									
		..		.....	.....		...	...	...	...	Nwa ...	68	.....	...	...								
	Lower Chindwin	141	Notification No. 363, dated 21st September 1894.		East Patoloôn	207	...	...	15·5(d)	.....	...	.....	...	...	...								
		...		.....	.....		...	..	..	...	Sindôn ...	27	.....	...	...								
	Total .	573		.....	.....		318	...	...	15 5	.....	209	.....	...	..	...							

§ Shown under Ye-u district in last year's report.

¶ The areas differ from those given in the notifications owing to exclusion on forest settlement.

	Rs.
Total Mu division A VIII(b)	1,430
Total Direction division A-VIII(b)	250
Total ..	1,680

	Rs
Total A-VII(a) in part ...	19
Total A-VIII(a) in part ...	60
Total A-VIII(b) ...	5,152
Total ...	5,231

(b) Not shown as reserves in Form No 45 as the dates from which they are declared as such fall in 1895-96

(c) Charged in—

	Rs.
Upper Chindwin ...	29
Direction	4,535
Minbu	19
Total ...	4,583

(d) Rs 3,204, expended in 1893-94.

FORM NO. 47.—*Statement showing the Progress made in, and the Expenditure incurred on, Forest Settlements in the Eastern and Western Circles during the year 1894-95*—concluded.

Name of forest division.	Name of civil district or territory.	Area already settled at commencement of the year	AREA FINALLY SETTLED DURING THE YEAR						AREA UNDERGOING SETTLEMENT						Remarks.
			No. and date of Government order according final sanction to the settlement.	Name of forest settled.	Area in square miles	Expenditure incurred during the year on areas finally settled		Entire cost per square mile of area finally settled during the year	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
						In forest accounts	In other accounts		Name of tract.	Area in square miles	Name of tract.	Area in square miles	In forest accounts	In other accounts	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Sq miles				Rs.	Rs.	Rs					Rs.	Rs.	
WESTERN CIRCLE—concluded															
		393							Kyaukse	172					
											Hnaw	3			
											Dandi	4			
											Kyi	4			
Yaw ...	Pakôkku										Peinnè	9			
											Myittha	50			
											Zahaw	120			
											Thôngyauk	17			
											Mozo	31			
											Myintha	26			
											Te	65			
											Nanka-Taungwun.	355			
	Total ...	393								172		584			
Minbu	Minbu ...	188(a)							Thanatchaung	8			4		(a) Includes 3 square miles added during the year
									Kyaukngyaung	28					
									Kinmuntaung	49					
	Magwe	226							Yinmale	17			5,383(b)		(b) Charged in Direction division.
									Ngaminchaung	85					
	Total ...	414								187			5,387		
Total Western Circle ...		1,804			358			15 5		813		839	9,970(c)		(c) Pay of Forest Settlement Officer's clerk erroneously classified. ... 19 A-VIII(a)
															Pay and allowance of Forest Settlement Officer and clerk. 8,136
															Compensation to villagers ... 260
															Preliminary demarcation. .. 4
															Guide and copyist 29
															Total .. 8,429 A-VIII(b)
															Exchange compensation allowance of Forest Settlement Officer .. 1,420 B-I (c)
Total Eastern Circle ...		2,145			252	2,215	...	...		440		437	3,016	...	Pay of Forest Settlement Officer's clerk. 60 B-I (d)
															Travelling allowance Settlement Officer's clerk. .. 42 B-II (d)
GRAND TOTAL UPPER BURMA ...		3,949			610	2,215	...	...		1,253		1,276	12,986	...	Total ... 9,870

FORM NO. 48.—*Statement showing Records of Demarcation and Maintenance of Boundaries in the Eastern and Western Circles during the year 1894-95.*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year		Remarks.
								On new work.	On repairs	
1	2	3	4	5	6	7	8	9	10	11
EASTERN CIRCLE.	Miles	Miles	Miles	Miles	Miles.	Miles	Miles	Rs	Rs	
Bhamo	76	—	21*	97	57	—	154	382	..	* Five miles erroneously omitted in last year's report.
Katha	124	—	43	167	272	8	447	1,226†	...	† Includes Rs. 90 value of iron tablets in stock.
Ruby Mines	58	—	276	334	53	—	387	679‡	...	‡ Includes Rs 158 value of iron tablets in stock.
Mandalay	...	...	...	...	...	...	...	...	...	
Mu	58	—	30	88	52	119	259	893*	...	* Includes Rs 161 value of iron tablets.
Pyinmana	7	...	400	407	21	25	453	115	5	
Total Eastern Circle	323	—	770	1,093	455	152	1,700	3,295	5	Total A-VIII (a) ... Rs. 3,360 Transferred to Form No 47 60 Balance ... 3,300
WESTERN CIRCLE.										
Upper Chindwin	92	7½	45	144	...	133	277	1,347	...	§ Thes 7 miles in Ahlaw had to be altered, cost charged to new work
Lower Chindwin	72	—	43	114	54	198	366	1,997††	...	¶ Five miles in Nwamadaung had to be redone; cost charged to new work
Yaw	73	—	—	73	74	240	387	627	...	** Rupees 23 of this have been erroneously charged under A-VIII (c)
Minbu	84	18¶	170	281	...	95	376	(a) 895**	12	†† Includes Rs. 15 on preliminary demarcation of Sihaung proposed reserve and Rs 92 cost of tablets
Total Western Circle	320	25	267	612	128	666	1,406	4,066	12	(a Includes Rs 141 cost of tablets, and Rs 201 paid for last year's demarcation
GRAND TOTAL UPPER BURMA	643	25	1,037	1,705	583	818	3,106	*7,361	17	Total A-VIII (a) Rs 4,055. Rupees 19, pay of Forest Settlement Officer's clerk, erroneously charged to this head, not included in this form

NOTE.—Boundaries between reserved forests have not been shown in this form.

FORM NO. 49.—*Statement of Forest Areas Surveyed and under Survey in the Eastern and Western Circles during the year 1894-95.*

AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR.

Division	Special surveys—Maps on 4-inch scale or over, by Survey of India Department or Forest Survey Branch								Ordinary, included in district surveys.								Chain and compass or other surveys by local officers.								Area remaining to be taken under survey.	Total forest area at end of the year as per Form No 46.	Cost.			Remarks.
	With interior details.					Boundary surveys			With interior details					Boundary surveys.			With interior details.					Boundary surveys.							
	With details of growing stock		Without details of growing stock.						With details of growing stock.		Without details of growing stock						Four-inch or over.		Under 4-inch.										
	Previous	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.	Previous	Of the year	Previous	Of the year	Total cost.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous	Of the year	Total cost.			Previous.	Of the year.	Entire cost of all surveys to end of the year.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	S. m.	S m	S m	S m	Rs	S. m	S. m.	Rs.	S m.	S. m	S. m.	S. m.	Rs.	S. m	S. m.	Rs	S. m.	S. m.	S. m.	S. m	Rs.	S m	S. m.	Rs.	S. m.	S. m.	Rs.	Rs.	Rs	
EASTERN CIRCLE.																													
Bhamo	...	...	...	...	...	...	...	..	...		...	...	...	...	...	...	...	...	441	56	78	...	...	...	1,054	1,551	2,275	78	2,353	
Katha	...	..	...	..	...		...	...	...	...	...	...	...	...	...	...	...	...	* 412	5	33	†	102	182	338	857	2,864	215	3,079	
Ruby Mines ...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	35	...	...	...	(a) 591	131	433	1,089	...	‡ 131	131	
Mandalay	...	...	...		...	...	.	...	...	...	...	...	...	...	...	...	...	...	* 531	216	267	...	...	...	845	1,595	4,235	‡ 257	4,492	
Mu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	* 909	...	..	...	(b)	236	2,591	3,500	2,828	236	3,064	
Pyinmana	...	...	(c) 195	(d) 134	...	(f) 25,200	...	...	...	...	...	...	...	...	...	...	...	..	785	115	97	...	...	...	929	1,829	{ 39,522 5,049	(d) 25,200 97	64,722 5,146	
Southern Shan States	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	304	...	...	...	...	...	1,059	1,353	2,758	...	2,758	
Total ...	...	...	195	134	...	25,200	...	...	...	...	...	...	...	...	...	...	...	...	3,407	392	475	...	693	549	7,253	11,744	59,521	26,324 (g)	85,745	

Cost of Imperial Forest Survey not adjusted in the accounts of the Forest Department at the close of the Forest year Rs 7,215

Total Rs 26,324

* Corrected areas, they differ from those given in the previous year's form

† Omitted 43 square miles erroneously shown in last year's form

‡ Charged to A-VIII (d)

(a) Survey completed during the year.

(b) 126 linear miles boundary surveyed.

(c) Showing classification of soil and forest growth.

(d) Includes Rs. 7,215 cost of the Imperial Forest Survey not adjusted in the accounts of the Forest Department at the close of the year

(e) Erroneously shown in column 3 of last year's form.

(f) Topographical survey, includes cost of traversing an area of 51 linear miles.

(g) Total A-VIII(e). Rs. 18,612. In part A-VII(d)I. Rs 398.

Western Circle																															
1.—*Reserved Forests.*																															
Upper Chindwin ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	424	...	...	...	...	...	...	424	848	...	848	99 linear miles boundary surveyed also by demarcation party and mapped. Expenditure charged under A-VIII (*a*).
Lower Chindwin ..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	780	...	...	...	...	...	...	780	1,830	...	1,830	71 linear miles boundary surveyed also by demarcation party and mapped. Expenditure charged under A-VIII (*a*).
Yaw ...			...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	393	...	...	...	...	243	...	393	996	243	1,239	73 linear miles boundary surveyed also by demarcation party and mapped. Expenditure charged under A-VIII (*c*) Rs. 232 and A-VIII (*d*) Rs. 11.
Minbu . .	...	...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...	414	...	...	...	...	161	...	414	938	161	1,099	89 linear miles boundary surveyed also by demarcation party and mapped Expenditure charged under A-VIII (*c*).
Total ...	...	...	...	...	.	...	...	...	..	...	.	...	..	..	...	...		...	2,011	...	...		...	404	...	2,011	4,612	404	5,016	
2.—*Protected Forests.*																															
Upper Chindwin ...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	910	65	117	...	...	...	5,535	6,500	313	(*b*)117	430	(*b*) Charged under A-VIII (*d*).
Lower Chindwin ...	...	...	...	...	..	...	...	.		...	...	...	...	...	...	...	...	319	941	...	1,391	...	...	...	835	2,085	2,333	1,391	3,724	Rs. 386 expended on valuation surveys charged under A-VIII (*d*).
Yaw	.	...	...	..	...	...		...	..	..	...	.	...	...	...	...	...	..	785		...	...	...	...	3,177	3,962	847	...	847	
Minbu	...	...	...	...	...	...	...	..	..	...	...	...	...	...	..	...	...	...	491	30	40	...	...	...	1,392	1,913	1,496	40	1,536	
Total	...	...	...	..	...	..	...	..	...	...	...	...	..	..	...	...	...	319	3,127	95	1,548	...	...	...	10,919	14,460	4,989	1,548	6,537	
Total Western Circle	...	..	...	...		.			...	...	...	..	...	..	...	...	...	319	5,138	95	1,548	...	...	404	10,919	16,471	9,601	1,953	11,553	Total— Rs. A-VIII (*c*) 1,824 A-VIII (*d*) 117 Erroneously charged under A-VIII (*d*) in Yaw division ... 11 Total . 1,952
Total Eastern Circle	..	195	134	...	25,200	...	...	..	...	...	...	...	...	...	...	...	...	...	3,407	392	475	...	693	549	7,252	11,744	59,521	26,224	85,745	
Grand Total Upper Burma.	...	195	134	..	25,200	...	...	...	...	...	...	...	..		...	...	...	319	8,545	487	2,023	...	693	953	18,171	28,215	69,122	28,176	97,298	

FORM NO 50.—*Statement showing Progress made in Working Plans in the Eastern and Western Circles during the year 1894-95.*

Division	Areas for which working plans have been completed		Areas for which working plans are being compiled		Areas for which working plans have still to be taken in hand	Total forest area as in Form No. 46	Entire cost per square mile of working plans completed	Remarks
	At commencement of the year	During the year	At commencement of the year	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
EASTERN CIRCLE.	Sq ms	Sq ms	Sq ms	Sq ms	Sq ms	Sq. ms	Rs	
I —RESERVED FORESTS								
Bhamo	. .	...	...	...	186	186	...	
Katha	..		..	35	328	363	...	Provisional only
Ruby Mines	...	...	...	..	626	626	...	
Mu	...	...	...	...	437	437		
Pyinmana	...	...	..	..	785	785	..	
Total ...	...	..	...	35	2,362	2,397	...	
II —PROTECTED FORESTS								
Bhamo	...	...	...	...	1,365	1,365	...	
Katha	...	...	...		492	494	...	Provisional only
Ruby Mines	...	...	...		433	433	..	
Mandalay	..	..	...	..	1,595	1,595	.	
Mu	...	...	...	...	2,063	2,063	...	
Pyinmana	...	...			1,044	1,044	...	
Southern Shan States	...	...	..	...	1,353	1,353	...	
Total ...	.	...	...	2	9,345	9,347	...	
Total Eastern Circle	..	...	...	37	11,707	11,744	...	
WESTERN CIRCLE								
I —RESERVED FORESTS								
Upper Chindwin	...	..	...	.	434	434	...	
Lower Chindwin	...	...	.	...	780	780	...	
Yaw	...	...	...	...	393	393	...	
Minbu	...	...	...	...	414	414	...	
Total ...	...	...	...	...	2,011	2,011	...	
II —PROTECTED FORESTS.								
Upper Chindwin	...	...	...	..	6,500	6,500	...	
Lower Chindwin	...	...	...	...	2,085	2,085	...	
Yaw	.	...		...	3,962	3,962	...	
Minbu	...	. .	.	...	1,913	1,913	...	
Total	...	...	...	...	14,460	14,460		
Total Western Circle .		.	.	...	16,471	16,471		
Total Reserved Forests, Upper Burma ..	...	...	...	35	4,373	4,408	...	
Total Protected Forests, Upper Burma ..	..	...	.	2	23,805	23,807	..	
GRAND TOTAL UPPER BURMA ...	...		...	37	28,178	28,215	...	

FORM NO. 51.—*Statement showing Communications and Buildings in the Eastern and Western Circles during the year 1894-95.*

Division.	NEW WORK UNDERTAKEN DURING THE YEAR — *Buildings.* Description of building.	Expenditure incurred.	*Roads and paths.* Road or path and object of the same.	Length of road or path	Expenditure incurred	Total expenditure on new work.	REPAIRS EXECUTED DURING THE YEAR — *Buildings.* Nature of repairs.	Expenditure incurred.	*Roads and paths.* Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs	Rs.	EASTERN CIRCLE.	Rs.		Miles	Rs.	Rs	
Direction.	.....	...	.....	...	...	...	.....	...	.....	...	...	...	
	Combined office and dwelling-house						*Bhamo Forest house and office.*						
Bhamo.	New servants' quarters and latrine.	361	.....	...	...	...	Repairs to old servants' quarters	52	Clearing paths for elephants ...	...	17	...	
							Repairs to stables	4	.....	...	...	...	
	Cook-house	175	.....	...	...	...	Re-thatching	60	.....	...	...	...	
							Repairs to bath-room water-pipe	3	.....	...	...	...	
							New staircase	8 56	.....	...	...	...	
	Re-roofing with shingle in part	24	.....	...	...	...	Jhamps to office verandah...	26	.....	...	...	...	
							Earth-oiling	20	.....	...	...	...	
	Tawlan rest-house	552	.....	...	...	...	Repairing fence	34	.....	...	...	...	
							Clearing compound	86	.....	...	...	...	
							Shwegu Subdivisional house and office.						
	New shed for rubber ...	70	.....	...	...	...	Repairs	23	.....	...	...	...	
							Re-thatching	50	.....	...	...	...	
							Forest Depôt house.						
							Repairs	20	.....	...	...	...	
							Clearing compound	5	.....	...	...	..	
	Total Bhamo	1,182		...	...	1,182		449		...	17	466	Total A-VII ... Rs. 1,667 Transferred to Form No. 47 ... 19 Balance ... 1,648
	Carried over ...	1,182		...	...	1,182		449		...	17	466	

FORM NO. 51 —*Statement showing Communications and Buildings in the Eastern and Western Circles during the year 1894-95*—continued

Division	NEW WORK UNDERTAKEN DURING THE YEAR.					REPAIRS EXECUTED DURING THE YEAR.					Remarks.
	Buildings		*Roads and paths.*			*Buildings*		*Roads and paths*			
	Description of building	Expenditure incurred	Road or path and object of the same	Length of road or path	Expenditure incurred	Total expenditure on new work	Nature of repairs	Expenditure incurred	Nature of repairs.	Length repaired	Expenditure incurred	Total expenditure on repairs	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs		Miles	Rs	Rs	EASTERN CIRCLE.—continued	Rs.		Miles	Rs	Rs	
	Brought forward ...	1 182				1,182		449		...	17	466	
							Katha Forest house and office						
Katha	Tigyaing Subdivisional office and dwelling house (partly constructed)	145	.....		..		Two pairs of gates ...	103	Clearing paths in Mohnyin reserve	...	7		
							Repairs ..	80	.....				
							Earth-oiling	180	.....		..	..	
	P lè rest house	582	..				Repairing fence ..	81	.....	..			
							Clearing compound	33	.....		..	..	
							Tigyaing Forest house						
	Nantein rest-house ...	581	..				Repairs ...	60	.....	...	..		
							Clearing compound	15	.....	..	..	..	
							Indaw Ranger's house						
							Mak ng rooms for office	16	.....		..		
							Fencing compound	18	.....	..		..	
							Katha Depôt guard-house						
							Repairs	5	.....	..	..	..	Katha division ... 1,892 Direction division .. 14
	Total Katha	1,308			..	1,308		591		..	7	598	Total A VII ... 1,906
							Möngmit Forest house						
Ruby Mines							Repairs ..	91	.....	..			
	Rest hut at Molôn	50	.....		..		*Myitsôn rest-house*						
							Clearing compound	50	.....	..	..	..	
	Total Ruby Mines	50		..	..	50		141			..	141	Total A VII Rs 191

Mandalay	Ranger's quarters and office at Madaya.	23	.....	...	...	...	Re-roofing forester's hut at Nandawkyun ...	34	Repairing and remetalling road to Forest office, Share.	...	136	...		
							Mandalay Depôt.							
	.....	...	.....	...	...	...	Repairing fence	58	.....	...		...		
							Subdivisional Forest office, Mandalay Shore							
	.....	...	.....	...	...	...	Clearing compound	5	.....	...	...	...		
							Subdivisional office, Kyaukè.							
	.....	...	.....	...	...	...	Clearing compound	22	.....	...	...	...		
							Maymyo rest-house.							
	.....	...	.....	...	...	...	Clearing compound	15	.....	...	...	...		
	Total Mandalay ...	23		...	...	23		134		...	130	264	Total A-VII, Rs. 287.	
							Kyaukmyaung Depôt house.							
Mu.	Forest house and office, Shwebo	2,792	Roads, Shwebo Forest house and office compounds.	...	95	...	Repairs	52	.....	...	...	...		
							Myinmu Depôt house.							
	Fence round the Shwebo house	214	.....	...	...	...	Repairs	16	.....	...	...	...		
	Sinking a well in the Forest compound, Shwebo	47	.....	...	...	...	Clearing compound	5	.....	...	...	...		
							Ye-u house.							
	.....	...	.....	...	...	...	Repairs	2	.....	...	...	...		
							Shwebo Forest house.							
	.....	...	.....	...	...	...	Repairs	11	.....	...	...	...		
	.....	...	.....	...	...	...	Clearing compound	30	.....	...	...	...		
	Total Mu ...	3,053		...	95	3,148		116		...	...	116	Total A-VII, Rs. 3,264.	
							Pyinmana Forest office.							
Pyinmana	Rest-house at Chaungwa ...	600	.....	...	...	...	Repairs	208	.....	...	...	...		
	.....	...	.....	...	...	...	Earth-oiling	21	.....	...	...	...		
							Forest bungalow.							
	.....	...	.....	...	...	...	Painting	30	.....	...	...	...		
	.....	...	.....	...	...	...	Repairs	57	.....	...	...	...		
	.....	...	.....	...	...	...	Fencing	48	.....	...	...	...		
	.....	...	.....	...	...	...	Clearing compound	21	.....	...	...	...		
	Carried over ...	600		...	...	...		385		...	...	...		

FORM NO 51.—*Statement showing Communications and Buildings in the Eastern and Western Circles during the year 1894-95*—concluded.

Division.	NEW WORK UNDERTAKEN DURING THE YEAR.						REPAIRS EXECUTED DURING THE YEAR.						Remarks.
	Buildings.		*Roads and paths.*			Total expenditure on new work.	*Buildings.*		*Roads and paths.*			Total expenditure on repairs.	
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
				Miles.	Rs.	Rs.	EASTERN CIRCLE—concluded.	Rs.		Miles.	Rs.	Rs.	
	Brought forward ...	600		...	...	...		385		...	...	..	
							Yamèthin Forest office.						
	.....		.....	...	...	...	Re-roofing and re-placing mat walls with teak ...	256	.....	..	...	...	
	.....	...	.....	...	...	...	Repairs	5	.....	...	...	...	
	.....	...	.....	...	...	...	Repairs to fence	1	.....	..	...	...	
							Forest rest-houses.						
	.....	..	.....	...	..	...	Aingyi, re roofing	29	.....	...	...	...	
	.....	...	.....	...	...	...	Nganzat re-roofing	56	.....	...	...	...	
	.....	...	.....	...	...	...	Fencing	8	.....	...	...	...	
	.....	...	.....	...	...	...	Clearing compound	2	.....	...	...	...	
							Taungnyo rest-house.						
	.....	...	.....	...	...	...	New steps and repairs	8	.....	...	...	..	
	.....	...	.....	...	...	...	Fencing	29	.....	...	...	...	
	.....	...	.....	...	...	...	Clearing compound	1	.....	...	...	...	
							Other rest-houses.						
	.....	...	.....	...	...	...	Clearing compound	3	.....	...	..	.	
Pyinmana—*concluded.*	Total Pyinmana ...	600		...	...	600		782		...	...	782	Total A-VII, Rs. 1,382.

S. Shan States.							*Combined office and dwelling house at Fort Stedman*						
	...	...	.....	...	...	...	Repairs	20	.....	...	...	...	
	...	...	.....	...	...	...	Fencing compound	100	.....	...	...	...	
	Total Southern Shan States ...	...		...	...	..		120		...	...	120	Total A-VII, Rs. 120.
	GRAND TOTAL ..	6,316		...	95	6,311		2,333		...	154	2,487	Total A-VII, Rs 8,817
													Transferred to Form No 48 } Rs. 19
													Balance Rs. 8,798
							WESTERN CIRCLE.						
Upper Chindwin.	Completion of Kindat divisional house and office.	422	.....	...	...	...	Repairs to out-houses, Kindat	115	.....	...	...	...	
	Servants' latrine, Kindat house	35	.....	...	...	...	Repairs to Kindat house	62	.....	...	...	...	
	Subdivisional house and office, Paungbyin.	4,073	.....	...	...	...	Annual repairs, Kindat house	70	.....	...	...	...	
							Repairs to Paungbyin house	4	.....	...	...	...	
	Three zayats on the Kindat-Minthami road.	1,035	.....	...	...	...	Repairs to Revenue Collector's house, Kindat ...	78	.....	...	...	...	
	Revenue Collector's house, Kyain.	400	.....	...	...	...	Demolishing durwan's quarters, Kindat ...	5	.....	...	...	...	
							Repairing fence, Kindat	2	.....	...	...	...	
	Fencing Kindat house and office compound.	435	.....	...	...	...	Clearing compound, Kindat	87	.....	...	...	...	
							Clearing compound, Paungbyin	45	.....	...	...	...	
							Fencing and watering plants, Kindat ...	5	.....	...	...	...	
	Total Upper Chindwin..	6,400		...	...	6,400		473		...	...	473	Total A-VII, Rs 6,873.
Lower Chindwin							General repairs to bungalow, Mônywa ...	14	.....	...	...	...	
							General repairs to out-houses, Mônywa ...	66	.....	...	...	...	
							General repairs to office and out-houses, Mingin	17	.....	...	...	...	
	.....	...	.....	...	...	...	General repairs to depôt house, Alôn ...	65	.....	...	...	...	
							Clearing compound, Mônywa	47	.....	...	...	...	
							Clearing compound, Mingin	5	.....	...	...	...	
							Repairs to fence, Alôn depôt	23	.....	...	...	...	
	Total Lower Chindwin ..	...		...	...	...		237		...	...	237	Total A-VII, Rs. 237.

FORM NO. 51.—*Statement showing Communications and Buildings in the Eastern and Western Circles during the year 1894-95*—concluded.

Division.	NEW WORK UNDERTAKEN DURING THE YEAR.					REPAIRS EXECUTED DURING THE YEAR.					Remarks.
	Buildings.		*Roads and paths.*			*Buildings.*		*Roads and paths.*			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.	Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles	Rs.	Rs.	WESTERN CIRCLE—concluded.	Rs.		Miles.	Rs	Rs	
Yaw.	Enclosing porch of house, Pakôkku	662	.....	...	...	...	Annual repairs Zigat house	22	.....	...	...	..	
	Masonry walls, office, Pakôkku	766	.....	...	...	...	Annual repairs, out-houses, Pakôkku ...	85	.....	...	...	..	
	Rest-house, Man	171	.....	...	...	...	General repairs, house, Pakôkku	36	.....	...	...	..	
	Rest-house, Wabin ...	172	.....	...	...	...	Annual repairs, house, Pakôkku	41	.....	...	...	..	
	Fence to Wabin ...	7	.....	...	...	...	Annual repairs, house, Gangaw	1	.....	...	...	..	
							Annual repairs, house, Kabaing	23	.....	...	...	..	
							Annual repairs, house, Pauk	10	.....	...	...	..	
							Clearing compound and repairing fence, Gangaw	12	.....	...	...	..	
							Clearing compound, Pakôkku	14	.....	...	...	..	
	Total Yaw ...	1,778		...	...	1,778		244		...		244	Total A-VII, Rs. 2,022.
Minbu.	Teak ceiling bath-room, clerks' latrine, and office, Minbu.	439	Nwamadaung reserve path		5	...	Annual repairs, house, Taungdwingyi ...	41	Gravelling approaches to office, Minbu.	...	24	...	
	Fencing compound	140	.....	...	...	...	General repairs, office, Minbu	7	Gravelling approaches to house, Minbu.	...	23	...	
	Taungdwingyi						Clearing compound, office, Minbu	7	.....	...	..	...	
							Clearing compound, Minbu	10	.....	...	...	...	
							Clearing compound, Taungdwingyi	25	.....	..		...	
							Clearing compound, Sedaw	11	.....	...	.	...	
	Total Minbu ...	579		...	5	584		101		...	47	148	Total A-VII, Rs 732.
	Total Western Circle	8,757		...	5	8,762		1,055		...	47	1,102	Grand Total A-VII, Rs. 9,864.
	Total Eastern Circle, ...	6,316		...	95	6,411		2,333		...	154	2,487	
	GRAND TOTAL UPPER BURMA ...	14,973		...	100	15,073		3,388		...	201	3,589	

FORM NO. 52.—*Statement showing Register of Breaches of Forest Rules in the Eastern and Western Circles during the year 1894-95.*

	Forest division.	Cases pending from 1893-94.	New cases of the year.					Total cases.	Disposed of during the year						Cases pending at close of year.	Remarks.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year		Convictions.		Acquittals.		Total.			
									Cases.	Persons.	Cases.	Persons	Cases.	Persons.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	EASTERN CIRCLE.															
A	Bhamo	2	...	9	...	1	10	12	7	17	...	2	7	19	5	
	Katha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ruby Mines	...	...	1	...	...	1	1	1	5	...	...	1	5	...	
	Mandalay	1	...	51	...	22	73	74	47	61	18	42	65	103	9	
	Mu	...	...	4	...	1	5	5	4	5	1	7	5	12	...	
	Pyinmana	...	...	14	...	14	28	28	25	77	2	11	27	88	1	
	Southern Shan States	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total A	3	...	79	...	38	117	120	84	165	21	62	105	227	15	
B	Bhamo	1	...	4	...	4	8	9	7	25	...	...	7	25	2	
	Katha	2	...	36	1	31	68	70	68	121	...	...	68	121	2	
	Ruby Mines	...	...	20	1	4	25	25	24	45	...	...	24	45	2	
	Mandalay	*	...	...	...	20	20	20	19	38	...	...	19	38	1	
	Mu	...	...	3	...	...	3	3	3	5	...	...	3	5	...	
	Pyinmana	...	...	61	...	56	117	117	117	288	...	...	117	288	...	
	Southern Shan States	3	...	2	...	...	2	5	3†	3	...	...	3	3	2	
	Total B	6	...	126	2	115	243	249	241	525	...	...	241	525	8	
C	Bhamo	...	...	3	...	1	4	4	...	...	...	...	...	...	...	
	Katha	...	...	...	...	2	2	2	...	...	...	...	...	...	...	
	Ruby Mines	...	...	1	...	...	1	1	...	...	...	...	...	...	...	
	Mandalay	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Mu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Pyinmana	...	...	...	...	1	1	1	...	...	...	...	...	...	...	
	Southern Shan States	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total C	...	...	4	...	4	8	8	...		...	...	...	...	...	
	GRAND TOTAL A	3	...	79	...	38	117	120	84	165	21	62	105	227	15	
	GRAND TOTAL B	6	...	126	2	115	243	249	241	525	...	...	241	525	8	
	GRAND TOTAL C	...	...	4	...	4	8	8	...	...	...	...	...	...	...	
	GRAND TOTAL EASTERN CIRCLE	9	...	209	2	157	368	377	325	690	21	62	346	752	23	

* One case shown as pending in the previous years from 52 is omitted owing to the offender having died before proceedings were instituted again him.

† Includes one case in which the Sawbwa of Mōngkūng was let off owing to his not having known the Forest Rules, and two cases against the Sawbwas of Mōngnai and Maukmai which were compounded for Rs. 5,000 each.

A.—Cases taken into Court. | B.—Cases disposed of under section 62 of the Upper Burma Forest Regulation, 1887. | C.—Undetected cases

FORM NO. 52.—*Statement showing Register of Breaches of Forest Rules in the Eastern and Western Circles during the year 1894-95*—concluded.

Forest division.	Cases pending from 1893-94.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year	Remarks
		Injury to forest by fire	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences	Total new cases of the year		Convictions		Acquittals		Total.			
								Cases.	Persons.	Cases	Persons	Cases	Persons.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WESTERN CIRCLE.															
A — Upper Chindwin	2	...	3	...	...	3	5	3	10	...	...	3	10	2*	* These two cases were tried and the offenders convicted, but a retrial was afterwards ordered by the Judicial Commissioner.
A — Lower Chindwin	2	...	22	...	1	23	25	20	101	4	8	24	109	1	
A — Yaw	...	...	51	...	1	52	52	42	210	9	58	51	268	1	
A — Minbu	2	...	60	...	1	61	63	11	55	22	72	33	127	30	
Total A	6	...	136	...	3	139	145	76	376	35	138	111	514	34	
B — Upper Chindwin	...	...	4	...	1	5	5	5	5	...	...	5	5	...	
B — Lower Chindwin	...	...	50	...	7	57	57	57	58	...	...	57	58	...	
B — Yaw	...	...	13	...	1	14	14	14	34	...	...	14	34	...	
B — Minbu	...	...	25	...	3	28	28	28	28	...	...	28	28	...	
Total B	...	...	92	...	12	104	104	104	125	...	...	104	125	...	
C—Yaw	...	...	...	...	1	1	1	...	...	...	...	...	...	...	
Total Western Circle — A	6	...	136	...	3	139	145	76	376	35	138	111	514	34	
Total Western Circle — B	...	...	92	...	12	104	104	104	125	...	...	104	125	...	
Total Western Circle — C	...	...	...	...	1	1	1	...	...	...	...	...	...	...	
GRAND TOTAL WESTERN CIRCLE	6	...	228	...	16	244	250	180	501	35	138	215	639	34	
Total Upper Burma — A	9	...	215	...	41	256	265	160	541	56	200	216	741	49	
Total Upper Burma — B	6	...	218	2	127	347	353	345	650	...	...	345	650	8	
Total Upper Burma — C	...	...	4	...	5	9	9	...	...	...	...	...	...	...	
GRAND TOTAL UPPER BURMA	15	...	437	2	173	612	627	505	1,191	56	206	561	1,391	57	

A.—Cases taken into Court. | B.—Cases disposed of under section 62 of the Upper Burma Forest Regulation, 1887 | C.—Undetected cases.

FORM NO. 53.—*Statement showing Area of Forest Tracts protected from Fire in the Eastern and Western Circles during the year 1894-95.*

Division.	Forest tracts	Year in which protection commenced.	Area protected during 1893-94.	Area attempted to be protected	Failures.	Area actually protected	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	EASTERN CIRCLE						Rs.	
Katha	Mohnyin reserve	1894	*10,345	23,360	1,480	21,880	1,893	* The area 14,720, shown in last year's Form 53 as actually protected was found by survey to be incorrect.
† Ruby Mines	Bernardmyo plantations and orchard	1889	1	9	...	9	22	† Formerly shown under Katha division.
	Kyinidaung reserve	1894	1,917	2,000	66	1,934	253	
	Peikswè reserve	1894	438	440	22*	418		
	Mogôk reserve	1889	553	560	3	557	133	
	Yebu reserve	1894	360	400	5	395		
	Bamôn reserve	1894	916	...		...	...	
Mandalay	Maymyo plantation and nursery	1893	15	15	...	15	...	
Pyinmana	Yenaungmyin	1892	8,900	8,900	...	8,900	528	
	Kaing	1894	9,235	9,280	...	9,280	835	
	Total Eastern Circle	...	32,685	44,964	1,576	43,388	3,044	Total A-VIII (*f*) .. Rs. 3,091 Amount erroneously charged to this budget subhead and transferred to A-VIII (*g*). 47 3,044
	WESTERN CIRCLE.							
Upper Chindwin ...	Kindat	1895	...	78,720	...	78,720	200	
	Yu	1895	...	123,520	...	123,520		
Minbu	Tichaungwa	1895	...	14,080	10,880	3,200	645‡	‡ Besides this Rs 90 is still due.
	Total Western Circle ..	...	...	216,320	10,880	205,440	845	
	Total Eastern Circle ..	...	32,685	44,964	1,576	43,388	3,044	
	GRAND TOTAL UPPER BURMA ...	...	32,685	261,284	12,456	248,828	3,889	

FORM NO. 54.—*Statement showing Area closed and open to Grazing in the Eastern and Western Circles during the year 1894-95.*

Division	Area in square miles.						Remarks
	Closed to all animals.		Closed to browsers (camels, goats, or sheep).		Open to all animals.		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Total area.	
1	2	3	4	5	6	7	8
EASTERN CIRCLE.							
I.—Reserved Forests.							
Bhamo	157	29	...	...	..	186	
Katha	336	27	...	...		363	
Ruby Mines	549	77	...	..	...	626	
Mandalay	...	...	...	...	...	...	
Mu	431	6	...	...	...	437	
Pyinmana	405	380	...	...	...	785	
Southern Shan States	...	..	...	.	...	..	
Total	1,878	519	..		.	2,397	
II.—Protected Forests.							
Bhamo	...	...	...	...	1,365	1,365	
Katha	—	...	...	...	494	494	
Ruby Mines	...	...	...	...	433	433	
Mandalay	...	...	...	...	1,595	1,595	
Mu	...	...	...	...	3,063	3,063	
Pyinmana	...	...	..	...	1,044	1,044	
Southern Shan States	...	...	...	...	1,353	1,353	
Total	...	...	...	..	9,347	9,347	
Total Eastern Circle	1,878	519	..	...	.	11,744	
WESTERN CIRCLE.							
I.—Reserved Forests.							
Upper Chindwin	423	1	...	..	...	424	There are no camels or sheep grazed in the reserved forests of the circle and practically no goats The areas open to grazing are those allowed at settlement, they are not necessarily all grazed over and are open only to a fixed maximum number of cattle *Closed to goats only
Lower Chindwin	764	5	...	...	11	780	
Yaw	352	36	...	...	5	393	
Minbu	309	5	2*	...	8	414	
Total	1,938	47	2	.	24	2,011	
II.—Protected Forests							
Upper Chindwin	..	...	...	...	6,500	6,500	
Lower Chindwin	...	..	...	...	2,085	2,085	
Yaw	...	...	..	...	3,962	3,962	
Minbu	.	...	...	...	1,913	1,913	
Total	...	...	..	..	14,460	14,460	
Total Western Circle	1,938	47	2		14,484	16,471	
Total Reserved Forests, Upper Burma	3,816	566	2	...	24	4,408	
Total Protected Forests, Upper Burma	...	...	..	...	23,807	23,807	
GRAND TOTAL UPPER BURMA	3,816	566	2	...	23,831	28,215	

FORM NO. 55.—*Statement showing Return of Grazing in State Forests in the Eastern and Western Circles during the year 1894-95.*

Division.	GRAZING ON PAYMENT—NUMBER OF ANIMALS.													GRAZING FREE—NUMBER OF ANIMALS.										Remarks.
	At full rates.						At privileged rates.							By right under settlement.						During pleasure of Government or otherwise than under settlement.							
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received. Actual.	Fees received. Value at full rates	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates	Total value of fees at full rates.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs						Rs	Rs.						Rs.						Rs	Rs.	
EASTERN CIRCLE.																											
I.—RESERVED FORESTS.																											
Bhamo ...	...	...	...	...	...	...	...	...	...	...	...	...	...		(a)	...	...	...	.....	...	...	...	...	...	.....	...	
Katha ...	...	...	...	...	...	...	...	...	...	...	...	...	...		473	...	...	...	.....	...	...	...	...	...	.....	...	
Ruby Mines ...	...	...	...	...	...	...	...	...	...	...	...	...	...		* 852 (b)	...	...	...	.....	...	...	...	...	...	.....	...	
Mandalay ...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	.....	...	...	...	...	...	.....	...	
Mu ...	...	...	...	...	...	...	...	...	...	...	...	...	...		435	...	...	...	.....	...	...	...	...	...	.....	...	
Pyinmana ...	...	...	...	...	...	...	...	...	...	...	...	...	...		.....	...	...	...	.....	...	...	...	...	...	.....	...	
Southern Shan States ...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	...	...	.....	...	...	...	...	...	.....	...	
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...		1,750	...	...	...	.....	...	...	...	...	...	.....	...	
II.—PROTECTED FORESTS.																											
Nil.																											
WESTERN CIRCLE.																											
I.—RESERVED FORESTS																											
Upper Chindwin	...	...	...	...	...	...	...	...	...	...	...	...	...		300	...	...	...	.....	...	...	...	...	...	.....	...	
Lower Chindwin	...	...	...	...	...	...	...	...	...	...	...	...	...		916(c)	...	...	...	.....	...	...	...	...	...	.....	...	
Yaw	...	...	...	...	...	...	...	...	...	...	...	...	...		1,440	...	...	...	.....	...	...	...	...	...	.....	...	
Minbu	...	...	...	...	...	...	...	...	...	...	...	...	...		1,366	...	...	...	.....	...	—	.	...	...	.....	...	
Total ...	.			..	..	...	..	..	.	..	...	..	..		4,016(d)	...			.....	..	.	...	...	..	.....	...	
II.—PROTECTED FORESTS.																											
Nil.																											
GRAND TOTAL UPPER BURMA	..	...	.	...	.	...	...	...	...	...	...	..			5,766	...	...		.....	...	...	...	...	...	.....	...	

(a) Grazing is permitted in the following reserves, but the head of cattle allowed to graze is not mentioned in the statement of rights and privileges granted:—
(1) Nampa.
(2) Taungbalaung.

* Entered under Katha division in last year's Form No. 55.

(b) Head of cattle allowed to graze within the Bernardmyo, Kyatpyin, Kathè Ongaing, Bamôn, Mogôk, Yebu, Peikswè, and Kyindaung reserves is not included, as the number is not mentioned in the statement of rights and privileges granted.

(c) Includes 40 head of cattle to be grazed by the villagers of Taungbawleywa circle in the East Pato'on reserve, that being the number which the thugyi stated at present belong to the villagers.

(d) Whole year, 1,661 head of cattle and 15 buffaloes. Cattle:—eight months, 671; seven months, 504; six months, 513; five months, 300; four months, 50; three months, 220; two months, 82.

FORM NO. 56.—*Statement showing Area of Plantations in the Eastern and Western Circles during the year 1894-95.*

Division	Name of plantation.	Area in acres				Receipts	Charges	Remarks.
		On 1st July 1894	Added during the year	Excluded during the year.	Area on 30th June 1895.	Of the year.		
	EASTERN CIRCLE					Rs	Rs.	
	Regular Plantations							
Pyinmana ...	Yenaungmyin, 1892	15	--	---	15	---	45	
	Yenaungmyin, 1893	26	---	---	26	---	262	
	Yenaungmyin, 1894	17·75	---	---	17 75	---	275	
	Kaing, 1893	3 50	---	---	13·50	-	184	
	Kaing, 1894	35 75	---	--	35 75		491	
	Kaing (cutch), 1894	6 50		6 50	--	---	51	
	Total regular plantations ...	104 50	---	6 50	98 0	--	1,308	
	Teak Taungya Plantations							
Bhamo ...	Nampa	10·29	---	---	10 29	---	29	
	Setkala	13·90	4 54	-	18 44	---	22	
	Uya Hatha	--	6 21	--	6 21	--	6	
							79	Cost of teak seed ... Rs. 66
								Carriage ... " 13
								Total ... 79
	Total Bhamo ..	24 19	10·75	--	34·94	---	136	
Katha ...	Petsut	41	---	---	41	--	--	
	Kaiat	2	---	--	2	--	---	
	Natni	8	5	8	5	---	---	
	Nankan	4	-	4	-	--	---	
	Pilè	1	---	1	---	-	---	
	Pyindè	---	4	---	4	--	---	
							145	Cost of teak seed ... Rs. 120
								Carriage ... " 25
	Total Katha ...	56	9	13	52	---	145	Total ... 145
Ruby Mines* ...	Kundaw	---	25	--	25	---	11	
	Sinpi	---	2	--	2	---	1	
							44	Cost of teak seed ... Rs. 36
								Carriage ... " 8
	Total Ruby Mines ...	---	27	---	27		56	Total ... 44
Pyinmana ...	Aungthayeni, 1893	1·75	---	--	1·75		---	
	Yönbin, 1894	4·75	--	1·75	3·00	---	29	
	Yenaungmyin, 1895	---	34	---	34 0	-	66	Cost of seed.
	Total Pyinmana	6 50	34	1 75	38·75	---	95	
	Total teak taungya plantations	86 69	80·75	14·75	152·69	-	432	

		Other Plantations								
Ruby Mines *	Mogôk		3·25	...	09	2 16	...	* 106	* Includes Rs 28 on account of fencing trees planted in Mogôk town.
	Bernardmyo		4·75	25		5·00		501	
	Total other plantations		7·00	·25	·09	7 16	...	607	
	Cultural Operations.								
Katha	Katu		3	10	3	10	...	36	
	Nampôk		...	10	...	10	...	21	
	Nami		...	6	...	6	...	...	
	Total cultural operations		3	26	3	26	...	57	
	Nurseries, Experiments, and Exotics.								
Ruby Mines	Bernardmyo		0·15	...	...	0 15	...	...	
Mandalay	Maymyo		15·0	...	...	15	...	205	
	Total nurseries, &c		15·15	...	...	15·15	...	205	
	Orchards.								
Ruby Mines *	Bernardmyo		4	...	...	4	...	125	
	Total orchards		4	...	...	4	...	125	
	Total Eastern Circle		220·34	107 0	24·34	303	...	2,734	
	WESTERN CIRCLE								
	Regular Plantations								
	Nil.								
	Catch Taungya Plantations								
Minbu	Môn, West 1892		209	...	72	137	...	177	(a) Twenty-one acres transferred to other plantations and 96 acres written off.
	Môn, West 1894		...	35	...	35	...	130	
	Tichaungwa, 1892		58	2	...	60	...	50	Total expenditure A-VIII (a)
	Pazuchaung, 1892		84	...	45	39	...	...	
	Tôktochaung, 1892		...	7	...	7	...	17	Rs.
	Paungchaung, 1892		...	7	...	7	...	10	Amount here shown ... 414
	Nwamadaung, 1892		...	5	...	5	...	30	Survey of plantations ... 42
									Demarcating plantations ... 14
									Catch seed ... 13
									Road-side planting at Minbu 45
	Total Western Circle		351	56	117 (a)	390	...	414	Demarcating taungya areas erroneously charged under this head 23
	GRAND TOTAL UPPER BURMA		571·34	163 0	141·34	693	...	3,148	Total ... 551

* Formerly shown under Katha Forest division.

FORM NO. 57.—*Statement showing Outturn (in cubic feet, solid) of Timber and Fuel in the Eastern and Western Circles during the year 1894-95, and Agency of Exploitation.*

Division.	Description of details.	Timber in the rough, logs.					Timber in the rough, poles					Sawn or squared timber					Miscellaneous.					Fuel.					Total.
		Government.	Purchasers.	Free grantees	Right-holders.	Total	Government.	Purchasers.	Free grantees.	Right-holders.	Total	Government.	Purchasers	Free grantees	Right-holders	Total	Government.	Purchasers.	Free grantees.	Right-holders	Total.	Government.	Purchasers.	Free grantees	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	EASTERN CIRCLE	C ft.	C. ft.	C. ft.	C.ft.	C. ft.	C.ft.	C. ft.	C.ft.	C. ft.	C. ft	C. ft.	C. ft	C.ft.	C.ft.	C. ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C. ft.	C. ft.	C.ft.	C. ft.	C. ft.	C ft.
	I.—RESERVED FORESTS.																										
Bhamo	Teak	17,690	60,318	...	...	77,958	...	-	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	77,958
	Other kinds	149	..	...	...	149	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149
Katha	Teak	101,292	38,708	2,480	...	142,480	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	142,480
	Other kinds	..	5,880	..	...	5,880	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,880
Ruby Mines	Teak	7,366	452,376	200	...	459 942	-	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	459,942
	Other kinds	...	34,364	...	...	34,364	...	675	...	...	675	400	14,600	...	...	15,000	...	...	...	...	...	250	92,083	...	38,000	130,333	180,372
Pyinmana	Teak	...	3,648,802	...	...	3,648,802	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	3,648,802
	Other kinds	-	48,256	...	...	48,256	...	...	...	...	...	...	33,630	...	...	33,630	...	...	...	...	...	...	...	...	...	...	81,886
	Total ...	126,447	4,288,704	2,680		4,417,831	...	675	-	...	675	400	48,230	...	...	48,630	...	...	...	...	...	250	92,083	...	38,000	130,333	4,597,469
	II.—PROTECTED FORESTS																										
Bhamo	Teak	122,802	500,392	47,313	...	670,517	...	...	...	..	...	...	21	...	...	21	...	..	...	...	...	...	...	...	...	...	670,538
	Other kinds	...	247,871		...	247,871	...	364	...	...	364	...	4,564	..	..	4,564	...	...	...	...	...	...	6,234	...	...	6,234	259,033
Katha	Teak	23,893	54,617	16,030	...	94,360	...	...	...	...	...	5	2,227	...	...	2,232	...	...	...	...	...	...	...	...	...	...	96,592
	Other kinds	4,949	530,592	..	..	535,541	...	20,637	...	..	20,637	...	72,400	...	..	72,400	...	...	...	...	...	...	438,931	...	...	438,931	1,067,509
Ruby Mines	Teak	...	242,412	19,265	...	261,677	..	...	...	...	...	...	132	...	...	132	...	...	...	...	...	...	..	...	...	...	261,809
	Other kinds	...	173,982	..	..	173,982	...	7,475	...	...	7,475	...	133	...	..	133	...	...	...	...	...	...	29,282	...	...	29,282	210,872
Mandalay	Teak	10,884	407,191	6,850	...	425,025	...	...	...	...	...	...	716	...	...	716	...	...	...	...	...	...	...	...	...	...	425,741
	Other kinds	600	174,201	...	...	174,810	..	84,116	...	...	84,116	...	7,444	...	...	7,444	...	...	...	...	...	1,283	1,853,719	...	...	1,855,002	2,121,372
Mu	Teak	22,363	334,009	5,170	...	361,542	...	...	...	...	..	143	319	...	.	462	...	...	...	...	...	...	..	...	...	...	362,004
	Other kinds	290	110,150	..		110,440	...	20,571	...	..	20,571	...	754	...	...	754	...	...	...	...	...	...	517,219	...	...	517,219	648,084
Pyinmana	Teak	882	942,277	36,150	...	979,309	...	..	...	...	...	237	239	...	...	476	...	...	...	...	...	...	...	...	...	...	979,785
	Other kinds	4,058	204,984	100	...	209,142	...	1,637	...	...	1,637	2,465	146,997	...	...	149,463	...	...	...	...	...	...	275,000	...	...	275,000	635,242
Southern Shan States.	Teak	...	628,000	17,500	...	645,500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	..	645,500
	Total ...	190,630	4,550,698	148,358	...	4,889,716	...	134,800		..	134,800	2,851	235,946	...		238,797	...		...	..	...	1,283	3,120,385	...	..	3,121,668	8,384,981
	III.—UNCLASSED FORESTS																										
	Nil.																										
	Total Teak ...	307,022	7,309,122	150,968		7,767,112	...	...	..	..		385	3,654	...	...	4,039	...	...	...	...	...	...	...	..	...	...	7,771,151
	Total other kinds	10 055	1,530,280	100	..	1,540,435	...	135,475	..	...	135,475	2,866	280,522	.	...	283,388	...	..	...	...	...	1,533	3,212,463	..	38,000	3,252,001	5,211,299
	TOTAL EASTERN CIRCLE...	317,077	8,839,402	151,068	...	9,307,547		135,475	..	...	135,475	3,251	284,176	...	..	287,427	.	..	...	...	...	1,533	3,212,468	...	38,000	3,252,001	12,983,450

FORM No. 57.—*Statement showing Outturn (in cubic feet, solid) of Timber and Fuel in the Eastern and Western Circles during the year 1894-95, and Agency of Exploitation*—concluded.

Division.	Description of details.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
		Government.	Purchasers.	Free grantees.	Right-holders.	Total	Government.	Purchasers.	Free grantees	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	WESTERN CIRCLE.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	Cft.	C. ft.	Cft.	Cft.	C. ft.	C. ft.	C. ft.	Cft	Cft.	C. ft.	Cft.	C ft.	Cft.	C f	C.ft.	C.ft.	C. ft.	Cft.	C. ft.	C. ft.	C. ft.
	I.—Reserved Forests.																										
Upper Chindwin..	Teak	...	75	...	...	75	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75
Minbu	Teak	13,132	2,655	...	...	15,787	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15,787
	Unreserved wood ...	286	...	...	...	286	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	286
	Total ...	13,418	2,730	...	...	16,148	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16,148
	II.—Protected Forests.																										
Upper Chindwin	Teak	646	746,337	32,760	...	779,743	...	...	...	...	...	...	610	...	...	610	...	214	...	...	214	...	...	...	...	...	780,567
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	...	80,346	6,680	...	87,026	...	13,834	...	...	13,834	...	66	...	...	66	...	1,015	...	...	1,015	...	31,322	...	...	31,322	133,263
Lower Chindwin	Teak	4,669	574,083	55,005	...	633,757	...	...	...	...	...	...	115	...	...	115	...	...	...	...	...	...	...	...	...	...	633,872
	Reserved woods ...	...	150	...	...	150	...	...	...	...	...	...	...	...	...	...	...	756	...	...	756	...	...	...	...	...	906
	Unreserved woods ...	400	216,994	...	...	217,394	...	40,528	...	...	40,528	115	9,820	...	...	9,935	...	21	...	...	21	...	73,165	...	...	73,165	341,043
Yaw	Teak	12,902	251,989	7,500	...	272,391	...	...	...	...	...	...	32	...	...	32	...	...	...	...	...	...	...	...	...	...	272,423
	Reserved woods ...	...	700	...	...	700	...	...	...	...	...	...	137	...	...	137	...	50	...	...	50	...	...	...	...	...	887
	Unreserved woods ...	1,528	18,737	...	...	20,265	...	...	...	...	...	...	197	...	...	197	...	197	...	...	197	...	165,350	...	...	165,350	186,009
Minbu	Teak	3,350	33,688	38,000	...	75,038	...	...	...	...	...	...	146	...	...	146	...	...	...	...	...	...	...	...	...	...	75,184
	Reserved woods ...	...	240	...	...	240	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	240
	Unreserved woods ...	72	54,087	..	35,000	79,159	...	3,304	...	...	3,304	...	21,716	...	...	21,716	...	125	...	...	125	...	113,810	...	...	113,810	217,114
	Total ...	23,567	1,977,351	139,945	35,000	2,165,863	...	57,666		...	57,666	115	32,839	..	...	32,954	...	2,378	...	...	2,378	...	382,647	...	...	382,647	2,641,508
	III.—Unclassed Forests.																										
	Nil.																										
Total	Teak	34,699	1,608,827	133,265	...	1,776,791	..	...	...	...	...	...	903	...	...	903	...	214	...	...	214	...	...	...	...	...	1,777,908
	Reserved woods ...	...	1,090	...	...	1,090	...	...	...	...	...	...	137	...	...	137	...	806	...	...	806	...	...	...	...	...	2,033
	Unreserved woods ...	2,786	370,164	6,680	35,000	404,130	...	57,666	...	...	57,666	115	31,799	...	...	31,914	...	1,358	...	...	1,358	...	382,647	...	...	382,647	877,715
	Total Western Circle ...	37,485	1,980,081	139,945	35,000	2,182,011	...	57,666	...	...	57,666	115	32,839	...	...	32,954	...	2,378	...	...	2,378	...	382,647	...	...	382,647	2,657,656
	Grand Total Upper Burma ...	354,062	10,819,483	291,013	35,000	11,489,558	...	193,141	...	...	193,141	3,366	317,015	...	...	320,381	...	2,378	...	...	2,378	1,533	3,595,115	...	35,000	3,634,648	15,640,106

FORM NO 58 —*Statement showing Outturn of Minor Forest Produce in the Eastern and Western Circles during the year 1894 95*

Division	Description of produce	Produce removed or utilized										Remarks
		By Government Agency		By Purchasers		By Free Grants		By Right holders		Total		
		Quantity	Value	Quantity	Value	Quantity	Value.	Quantity	Value.	Quantity	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	EASTERN CIRCLE.		Rs		Rs		Rs		Rs		Rs.	
	I —RESERVED FORESTS											
Katha	Bamboos No	...	...	409,600	1,540	...	...		...	409,600	1,540	
	Canes ,,	...	...	1,900	7	...	...	...	...	1,900	7	
	Shaw-fibre Viss	...	...	1,000	20	...	...	...	...	1,000	20	
	Total	...	...	...	1,567			...	...	...	1 567	
Ruby Mines	Bamboos No	...	...	394,900	1,490	...	...	...	...	394,900	1,490	
	Canes ,,	...	...	186,785	402	...	...	...	...	186 785	402	
	Thitsi \ 100	...	...	1,000	50	...	...	...	...	1 000	50	
	Pwenyet ,,	...	...	10	2	...	...	...	...	10	2	
	Honey and wax ,,	...	...	0	2	...	...	...	...	10	2	
	Shaw fibre ,,	...	...	2,100	42			...	...	2,100	42	
	Bark ,,			350	7					350	7	
	Limestone ,,	...	...	1,500	5	...	...	...	...	1,500	5	
	Myrabolams ,,	...	...	100	2		...	...	...	100	2	
	Miscellaneous ,,	...	...	...	2		...			...	2	
	Total	...	...		2,004		...	...			2,004	
Pyinmana	Bamboos No	...	...	14,634	71			...		14,634	71	
	Canes ,,	...	...	2,500	125			...		2 500	125	
	Thitsi Viss	...	...	700	70	...			...	700	70	
	Shaw fibre ,,	...	...	2,000	200		...	...		2,000	200	
	Total		...	...	466		...			...	466	
	Total Reserved Forests				4,037	...	...	...	...		4,037	
	II.—PROTECTED FORESTS											
Bhamo	Bamboos No.	800	2	521 833	2 104		...			522 633	2,106	
	Canes ,,	...	...	490 150	616		...			490 50	616	
	Caoutchouc ,,	...	...	171,348	1 28 511		...			171,348	1,28,511	
	Thitsi ,,			400	20	...		...		400	20	
	Indwe ,,	...	...	15,364	383		...		...	15,364	383	
	Honey and wax ,,			71	17	...				71	17	
	Shaw fibre ,,			315	7					315	7	
	Limestone ,,	...	...	21 000	70					21 000	70	
	Lac ,,	...	...	3,818	286					3,818	286	
	Sale of right to collect indwe and pwenyet ,,		...	...	32		...	...	...		32	
	Total		2	...	1 32 046		...	...			1,32,048	

Katha	Bamboos	No.	4,039,455	11,474					4,039,455	11,474	
	Canes	"	307,875	341					307,875	341	
	Cutch	Viss	10,000	400					10,000	400	
	Thatsi	"	13,600	680					13,600	680	
	Indwe	"	14,000	280					14,000	280	
	Pwenyet	"	510	102					510	102	
	Honey and wax	"	310	62					310	62	
	Shaw-fibre	"	12,100	242					12,100	242	
	Bark	"	8,100	162					8,100	162	
	Limestone	"	87,000	290					87,000	290	
	Sandstone	"	1,800	18					1,800	18	
	Whetstone	"	500	5					500	5	
	Myrabolams	"	1,700	34					1,700	34	
	Total	...	...	14,090	...	...	...	...	...	14,090	
Ruby Mines	Bamboos	No	394,901	1,489					394,901	1,489	
	Canes	"	186,785	402					186,785	402	
	Thitsi	Viss	1,000	50					1,000	50	
	Pwenyet	"	10	2					10	2	
	Honey and wax	"	10	2					10	2	
	Shaw-fibre	"	2,100	42					2,100	42	
	Bark	"	350	7					350	7	
	Limestone	"	1,500	5					1,500	5	
	Myrabolams	"	100	2					100	2	
	Miscellaneous	"	...	19					...	19	
	Total	...	...	2,020	...	...	...	...	...	2,020	
Mandalay	Bamboos	No.	2,346,724	6,139	1,300	31			2,347,524	6,170	Credited to III.
	Bamboos (confiscated)	"	1,300	26					1,300	26	
	Canes	"	6,700	9					6,700	9	
	Cutch	Viss	10,000	1,100					10,000	1,100	
	Cutch (confiscated)	"	367	79					367	79	Credited to III.
	Thatsi	"	11,000	550					11,000	550	
	Indwe	"	200	4					200	4	
	Pwenyet	"	70	14					70	14	
	Lac	"	7,200	144					7,200	144	
	Honey and wax	"	30	6					30	6	
	Shaw-fibre	"	2,400	48					2,400	48	
	Bark	"	700	14					700	14	
	Thanaka bark	"	400	8					400	8	
	Thanaka bark (confiscated)	"	162	3					162	3	Credited to III
	Limestone	"	36,000	120					36,000	120	
	Miscellaneous	"	...	4					...	4	
	Total	...	...	8,268	...	...	...	...	...	8,299	
Mu	Bamboos	No	5,430,768	11,988					5,430,768	11,988	
	Canes	"	82,650	79					82,650	79	
	Cutch	Viss	7,477	1,600					7,477	1,600	
	Cutch (confiscated)	"	225	45					225	45	Credited to III.
	Thitsi	"	72,900	3,645					72,900	3,645	
	Indwe	"	23,900	478					23,900	478	
	Pwenyet	"	240	48					240	48	
	Lac	"	1,600	32					1,600	32	
	Honey and wax	"	10	2					10	2	
	Wood-oil	"	200	4					200	4	
	Shaw-fibre	"	3,300	66					3,300	66	
	Thanaka bark	"	100	5					100	5	
	Limestone	"	15,000	50					15,000	50	
	Myrabolams	"	600	12					600	12	
	Total	...	...	18,054	...	...	...	...	...	18,054	
	Carried over	...	...	1,74,478	33	...	...	...	...	1,74,511	

FORM NO. 58.—*Statement showing Outturn of Minor Forest Produce in the Eastern and Western Circles during the year 1894-95*—continued.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government Agency.		*By Purchasers.*		*By Free Grants*		*By Right-holders.*		*Total*		
		Quantity	Value.	Quantity.	Value	Quantity	Value.	Quantity.	Value.	Quantity	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
			Rs.		Rs		Rs.		Rs		Rs.	
	Brought forward ...	...	33	...	174,478	...	...	...	...	...	1,74,511	
	EASTERN CIRCLE—concluded.											
	I.—PROTECTED FORESTS—concluded											
	Bamboos ... ... No.	...	...	346,459	1,030	...	...	...	...	346,459	1,030	
	Bamboos (confiscated) ... ... ,,	...	...	330	5	...	...	...	...	330	5	Credited to III.
	Canes ... ... ,,	...	...	14,833	647	...	...	...	...	14,833	647	
	Cutch (confiscated) ... ... Viss	...	...	20	3	...	...	...	...	20	3	
	Thitsi ... ... ,,	...	...	15,600	780	...	...	...	...	15,600	780	
Pyinmana	Thitsi (confiscated) ... ... ,,	...	...	30	17	...	...	...	...	30	17	
	Wood-oil ... ... ,,	...	...	200	4	...	...	...	...	200	4	
	Pwenyet ... ... ,,	...	...	120	24	...	...	...	...	120	24	
	Honey and wax ... ... ,,	...	...	50	10	...	...	...	...	50	10	
	Thanaka bark ... ... ,,	...	...	500	19	...	...	...	...	500	19	
	Shaw-fibre ... ... ,,	...	...	10,600	212	...	...	...	...	10,600	212	
	Limestone ... ... ,,	...	...	36,000	120	...	...	...	...	36,000	120	
	Total ...	...	..	..	2,871	...	...	...	..	...	2,871	
	Total Protected Forests ...	...	33	...	1,77,349	...	...	..	...	...	1,77,382	
	GRAND TOTAL ...	..	33	...	1,81,386	...	...	...	...	...	1,81,419	
	TOTAL EASTERN CIRCLE											
	I.—RESERVED FORESTS											
	Bamboos ... ... No	...	...	819,134	3,101	...	...	...	...	819,134	3,101	FOREST YEAR 1893-94 Quantity 490,483 Rs 2,757
	Canes ... ... ,,	...	...	191,185	534	...	...	...	...	191,185	534	4,710 95
	Thitsi ... ... Viss	...	.	1,700	120	...	...	...	...	1,700	120	... ...
	Pwenyet ... ... ,,	...	...	10	2	...	...	...	...	10	2	.. ..
	Honey and wax ... ... ,,	...	.	10	2	...	...	.	.	10	2	... ...
	Shaw-fibre ... ... ,,	...	...	5,100	262	...	.	...	...	5,100	262	500 50
	Bark ... ... ,,	...	...	350	7	...	...	...	...	350	7	... .
	Limestone . ... ,,	...	...	1,500	5	...	.	...	...	1,500	5	.. ..
	Myrabolams ... ... ,,	..	...	100	2	...	...	..	...	100	2	... ...
	Miscellaneous . ... ,,	...	...	...	2	...	...	...	...		2	... ...

	II.—Protected Forests.															
	Bamboos	...	...	...	No.	2,100	33	13,071,270	34,255	...	...	...	...	13,073,370	34,288	10,584,813	25,005
	Canes	...	...	...	"	...		1,028,093	2,094	...	...	...	...	1,028,093	2,094	1,876,990	2,750
	Cutch	...	...	...	Viss	...	...	25,089	3,227	...	...	...	...	28,089	3,227	225,373	7,455
	India-rubber	...	...	...	"	...	...	171,348	1,28,511	...	...	...	...	171,345	1,28,511	201,677	1,57,358
	Thitsi	...	...	...	"		...	114,530	5,742	...	...	...	...	114,530	5,742	106,100	5,305
	Wood-oil	...	...	...	"	...	...	400	8	...	...	...	...	400	8	500	10
	Indwe	...	...	...	"	...	...	53,464	1,145	...	...	...	...	53,464	1,145	23,404	512
	Pwenyet	...	...		"	...	...	950	190	...	...	...	...	950	190	530	105
	Lac	...	...	...	"	...	...	12,618	462	...	...	...	...	12,618	462	...	...
	Honey and wax	...	...	...	"	...	...	481	99	...	...	...	...	481	99	573	126
	Shaw-fibre	...	...	...	"	...	...	30,815	617	...	...	...	...	30,815	617	37,870	701
	Bark	...	...	...	"	...	...	9,150	183	...	...	...	...	9,150	183	6,800	136
	Thanaka bark	...	...	...	"	...	...	1,162	35	...	...	...	...	1,162	35	...	...
	Limestone	...	...	...	"	...	...	196,500	655	...	...	...	...	196,500	655	10,900	865
	Sand and whetstone	...	...	...	"	...	...	2,300	23	...	...	...	...	2,308	23		
	Myrabolams	...	...	...	"	...	...	2,400	48	...	...	...	...	2,408	48	...	...
	Miscellaneous	...	...	...	"	...	...	...	55	...	...	...	...	...	55	...	371
	Total			...		...	33	...	1,81,386	...	...	...	...	...	1,81,419	...	1,98,732
	WESTERN CIRCLE.																
	I.—Reserved Forests.																
Upper Chindwin ...	Bamboos	...	...	...	No.	...	...	2,000	6	...	...	...	...	2,000	6		
	Shaw-fibre	...	...	...	Viss.	...	...	100	5	...	...	...	...	100	5		
Yaw	Bamboos	...	...	...	No.	...	...	5,000	22	...	...	4,818	... 12	10,718	34		
	Cutch	...	...	...	Viss	...	...	90,000	10,661	...	...	...	...	90,000	10,661		
	Shaw-fibre	...	...	...	"	...	...	100	15	...	...	...	...	100	15		
	Lac	...	...	...	"	...	...	500	25	...	...	...	...	500	25		
	Limestone	...	...	...	"	...	...	200	4	...	...	...	...	200	4		
	Thekke	...	...	...	"	...	...	...	6	...	...	...	...	...	5		
Minbu	Bamboos	...	...	...	No	...	...	271,100	678	...	...	...	...	271,100	678		
	Cutch	...	...	...	Viss.	...	...	58,000	8,270	...	...	...	...	58,000	8,270		
	Total Reserved Forests			...		...	...	...	19,692	...	...	...	12	...	19,704		
	II.—Protected Forests.																
	Bamboos	...	...	...	No.	...	...	4,117,447	8,541	1,400	3	...	...	4,118,847	8,544		
	Canes	...	...	...	"	160,020	1,241	5,917,305	4,471(a)	...	...	...	...	6,077,325	5,712	(a) Rs. 10 credited under II E	
	India-rubber	...	...	...	Viss.	...	...	3,499	2,645	...	...	...	...	3,499	2,645		
	Thitsi	...	...	...	"	...	...	333	34	...	...	...	...	333	34		
	Shaw-fibre	...	...	...	"	...	...	3,294	57	...	...	...	...	3,294	57		
Upper Chindwin ...	Honey and wax	...	...	...	"	...	...	3,621	905	...	...	...	...	3,621	905		
	Indwe	...	...	...	"	...	...	4,272	134	...	...	...	...	4,272	134		
	Pwenyet	...	...	...	"	...	...	223	7	...	...	...	...	223	7		
	Tusks	...	...	...	"	...	...	73	188	...	...	...	...	73	188		
	Deer horns	...	...	...	"	...	...	4	12	...	...	...	...	4	12		
	Miscellaneous	...	...	...	"	...	...	...	12	...	...	...	...	...	12		
	Total			...		...	1,241*	...	17,006	...	3	...	...	...	18,250		

* Rs. 464 Outstanding at close of year.

FORM NO. 58.—*Statement showing Outturn of Minor Forest Produce in the Eastern and Western Circles during the year 1894-95*—concluded.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government Agency		*By Purchasers.*		*By Free Grants.*		*By Right-holders.*		*Total.*		
		Quantity	Value.	Quantity.	Value.	Quantity	Value.	Quantity	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
			Rs.		Rs.		Rs.		Rs.		Rs.	
	WESTERN CIRCLE—concluded.											
	II.—PROTECTED FORESTS—concluded.											
Lower Chindwin	Bamboos No.	...	...	2,097,454	6,553	...	...	...	...	2,097,454	6,553	
	Canes ,,	...	...	375,848	470	...	...	...	...	375,848	470	
	Catch Viss.	...	...	174,080	20,295	...	...	...	...	174,000	20,295	
	Thitsi ,,	...	...	15,400	754	...	...	...	...	15,400	754	
	Shaw-fibre ,,	...	...	4,300	86	...	...	...	...	4,300	86	
	Honey and wax ,,	...	...	140	28	...	...	...	...	140	28	
	Indwe ,,	...	...	2,375	63	...	...	...	...	2,375	63	
	Pwenyet ,,	...	...	1,600	32	...	...	...	...	1,600	32	
	Thitya bark ,,	...	...	7,700	154	...	...	...	...	7,700	154	
	Thanaka bark ,,	...	...	225	6	...	...	...	...	225	6	
	Limestone ,,	...	...	2,300	230	...	...	...	...	2,300	230	
	Total ...	...	...	...	28,671	...	...	...	...	...	28,671	
Yaw	Bamboos No	...	...	101,602	377	...	...	...	...	101,602	377	
	Canes ,,	...	...	4,000	4	...	...	...	...	4,000	4	
	Catch Viss.	...	...	209,856	30,881	...	...	...	...	209,856	30,881	Includes 123 viss confiscated catch. Revenue Rs. 52 credited to III, and 1,733 viss seized catch.
	Thitsi ,,	...	...	2,200	110	...	...	...	...	2,200	110	
	Shaw-fibre ,,	...	...	1,200	24	...	...	...	...	1,200	24	
	Honey and wax ,,	...	...	10	2	...	...	...	...	10	2	
	Indwe ,,	...	...	6,100	122	...	...	...	...	6,100	122	
	Pwenyet ,,	...	...	3,000	60	...	...	...	...	3,000	60	
	Lac ,,	...	...	3,300	66	...	...	...	...	3,300	66	
	Thitya bark ,,	...	...	36,200	724	...	...	...	...	36,200	724	
	Thanaka bark ,,	...	...	10,500	468	...	...	...	...	10,500	468	
	Palan bark ,,	...	...	200	4	...	...	...	...	200	4	
	Limestone ,,	...	...	3,500	350	...	...	...	...	3,500	350	
	Resin ,,	...	...	400	8	...	...	...	...	400	8	
	Total ...	...	...	...	33,200	...	...	...	...	...	33,200	

Minbu ..	Bamboos	No	2,600	52	2,248,031	5,706	...	...	...	...	2,250,631	5,758	
	Canes	Viss	...	...	600	1	...	...	...	...	600	1	
	India rubber	"	...	...	438	639	...	...	...	...	438	639	
	Cutch	"	...	...	202,536	12,677	...	...	...	...	202,536	12,677	Includes 536 viss seized cutch.
	Thitsi	"	...	...	6,200	310	...	...	...	...	6,200	310	
	Shaw-fibre	"	...	...	2,400	48	...	...	...	...	2,400	48	
	Honey and wax	"	...	...	20	4	...	...	...	...	20	4	
	Indwe	"	...	...	500	10	...	...	...	...	500	10	
	Pwenyet	"	...	...	900	18	...	...	...	...	900	18	
	Lac	"	...	...	1,400	28	...	...	...	...	1,400	28	
	Thitya bark	"	...	...	600	12	...	...	...	...	600	12	
	Thanaka	"	...	...	1,100	55	...	...	...	...	1,100	55	
	Myrabolams	"	...	...	800	16	...	...	...	...	800	16	
	Limestone	"	...	...	1,000	100	...	...	...	...	1,000	100	
	Miscellaneous	"	...	...	...	10	...	...	...	...	...	10	
	Total	...	...	52	...	19,634	...	...	...	...	...	19,686	
	TOTAL WESTERN CIRCLE.												
	I.—Reserved Forests.												
	Bamboos	No	...	...	279,000	706	...	...	4,818	12	283,818	718	
	Cutch	Viss	...	...	148,000	18,931	...	...	...	...	148,000	18,931	
	Shaw-fibre	"	...	...	200	20	...	...	...	...	200	20	
	Lac	"	...	...	500	25	...	...	...	...	500	25	
	Limestone	"	...	...	200	4	...	...	...	...	200	4	
	Thekke	"	...	...	...	6	...	...	...	...	...	6	
	Total	...	...	...	...	19,692	...	...	...	12	...	19,704	
	II.—Protected Forests.												
	Bamboos	No	2,600	52	8,564,524	21,177	1,400	3	...	...	8,568,524	21,232	
	Canes	Viss	160,020	1,241	6,297,653	4,946	...	...	...	...	6,457,673	6,187	
	India-rubber	"	...	...	3,937	3,274	...	...	...	...	3,937	3,284	
	Cutch	"	...	...	586,392	63,853	...	...	...	...	586,392	63,853	
	Thitsi	"	...	...	24,133	1,208	...	...	...	...	24,133	1,208	
	Shaw-fibre	"	...	...	11,194	215	...	...	...	...	11,194	215	
	Honey and wax	"	...	...	3,791	939	...	...	...	...	3,791	939	
	Indwe	"	...	...	13,247	329	...	...	...	...	13,247	329	
	Pwenyet	"	...	...	5,723	117	...	...	...	...	5,723	117	
	Lac	"	...	...	4,700	94	...	...	...	...	4,700	94	
	Resin	"	...	...	400	8	...	...	...	...	400	8	
	Thitya bark	"	...	...	44,500	890	...	...	...	...	44,500	890	
	Thanaka bark	"	...	...	11,825	529	...	...	...	...	11,825	529	
	Palan	"	...	...	200	4	...	...	...	...	200	4	
	Myrabolams	"	...	...	800	16	...	...	...	...	800	16	
	Limestone	"	...	...	6,800	680	...	...	...	...	6,800	680	
	Tuska	"	...	...	73	188	...	...	...	...	73	188	
	Deer horns	"	...	...	4	12	...	...	...	...	4	12	
	Miscellaneous	"	...	...	...	22	...	...	...	...	...	22	
	Total	...	...	1,293	...	98,511	...	3	...	...	...	99,807	
	Total Western Circle	...	...	1,293	...	1,18,203	...	3	...	12	...	1,19,511	
	Total Eastern Circle	...	...	33	...	1,81,386	...	...	...	...	...	1,81,419	
	Grand Total Upper Burma	...	...	1,326	...	2,99,589	...	3	...	12	...	3,00,930	

FORM No. 59.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of, in the Eastern and Western Circles during the year 1894-95.*

Particulars.	Number or quantity	Cubic feet	Total of each head: Number or quantity	Total of each head: Cubic feet.	Particulars.	Number or quantity	Cubic feet.	Total of each head: Number or quantity	Total of each head: Cubic feet.
EASTERN CIRCLE.					**EASTERN CIRCLE.**				
ACCOUNT OF GOVERNMENT TIMBER					ACCOUNT OF GOVERNMENT TIMBER				
In hand at the commencement of the year					*Disposals during the year.*				
Bhamo—					Teak logs (sold)	8,472	366,106		
Teak logs	107	3,588			Teak logs converted (sold) ...	1,093	1,478		
Teak logs *en-route* to Mandalay.	437	22,026			Other logs (sold)	501	8,797		
Katha—					Other wood, scantlings, &c. (sold).	1,114	2,466		
Teak logs	138	6,864			Other wood, scantlings, &c. (sold)	...	1,483		
Other logs	6	109			Teak logs (drifted away) ..	33	1,476		
Mandalay—					Other logs drifted away) ...	12	143		
Teak logs	75	2,208			Teak logs (used Departmentally)	65	2,326		
Teak (Bhamo) logs ...	522	31,054			Other logs (used Departmentally)	1	13		
Teak (Katha) logs .	799	30,474			Other logs (given free to Railway Department for experimental purposes).	2	34		
Other logs	6	225							
Mu—									
Teak logs	626	14,469							
Teak scantlings ..	777	1,103*							
Other logs ...	146	268							
			3,629	112,388				11,293	324,362
Received in depôts during the year					*Balance in hand at end of the year.*				
Teak logs (lapsed drift) ...	1,080	38,553			Bhamo—				
Other logs (lapsed drift) ...	76	2,735			Teak logs	284	11,889		
Teak logs (confiscated) ...	687	12,606			Other logs	2	34		
Other logs (confiscated)	278	5,770			Katha—				
Teak wood, scantlings, &c (confiscated)	330	385			Teak logs	12	994		
Other wood, scantlings, &c. (confiscated)	1,114	2,466			Other logs	9	234		
Other wood, scantlings, &c (confiscated)	...	1,933			Mandalay—				
Teak logs (Maung Bauk's, lapsed to Government).	12	752			Teak logs	5	143		
Teak logs (lessees' rejected logs)	547	15,734			Teak (Bhamo) logs ...	261	13,944		
Teak logs (Government extraction)	5,191	239,357			Teak (Katha) logs ...	58	2,109		
Other logs (Government extraction)	55	1,560			Other logs	22	736		
			10,370	321,861	Other wood fuel ...		430		
					Mu—				
					Teak logs	902	22,472		
					Teak scantlings	14	10		
					Other logs	18	446		
					Rangoon—				
					Teak (Bhamo) logs ...	645	33,600		
					Teak (Katha) logs ...	474	22,806		
								2,706	109,887
Total ...	...	...	13,999	434,249	Total ...	...	...	13,999	434,249
Bamboos.					*Bamboos.*				
Balance at commencement of the year	500	...	500						
Received during the year ..	2,100	...	2,100		Sold	2,600	...	2,600	
Total ...	...	...	2,600		Total ..	...	...	2,600	
ACCOUNT OF DRIFT TIMBER.					ACCOUNT OF DRIFT TIMBER.				
Balance at commencement of year.									
Katha—									
Teak logs	36	1,080							
Other logs	3	90							
Mandalay—									
Teak logs	28	780							
Mu—									
Teak logs	223	5,725							
Other logs	4	100							
			294	7,775					
Collected during the year.					*Made over to claimants.*				
					Teak logs	1,022	32,260		
					Other logs ...	68	1,821		
Bhamo—					*Transferred to Government Account.*				
Teak logs	201	6,496			Teak logs	1,080	38,553		
Other logs	5	136			Other logs	76	2,735		
Katha—					Went adrift—				
Teak logs	865	29,654			Teak logs .. .	4	103		
Other logs	44	1,818						2,250	75,479
Mandalay—					*Balance in hand at end of the year.*				
Teak logs	86	2,686			Bhamo—				
Other logs	84	2,332			Teak logs	7	210		
Mu—					Katha—				
Teak logs	689	25,240			Teak logs	20	600		
Other logs	8	190			Other logs	4	120		
Southern Shan States—					Mandalay—				
Teak logs	11	330			Teak logs .	3	173		
			1,993	68,882	Mu— Teak logs	3	75	37	1,178
Total	...		2,287	76,657	Total ...	...	.	2,287	76,657

* Shown in last year's report by an error as 1,666 scantlings, cubing 2,701 cubic feet.

FORM NO. 59.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of in the Eastern and Western Circles during the year 1894-95*—concluded.

Particulars	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.	Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
WESTERN CIRCLE.					WESTERN CIRCLE.				
ACCOUNT OF GOVERNMENT TIMBER.					ACCOUNT OF GOVERNMENT TIMBER				
In hand at commencement of the year.					*Disposals during the year.*				
Teak logs—					Sold at Rangoon—				
Minbu	297	18,534	297	18,534	Teak logs	626	32,032		
Received in depôts—					Sold locally—				
Teak logs, Government ...	368	14,545			Teak logs	639	19,778		
Teak logs, lapsed drift ...	622	20,134			Teak posts	2	20		
Teak posts, lapsed drift ...	2	20			Other logs	107	2,238		
Other logs, lapsed drift ...	73	2,000			Other planks	23	115		
Other planks, lapsed drift.	23	115			Used departmentally or lost—				
Other logs, Government...	36	286			Teak logs	6	486		
			1,124	37,100	Other logs	1	25	1,404	54,694
					Sold locally—				
Bamboos	2,600	...			Bamboos	3,600	...		
Canes	160,020	..			Canes	160,020	...	163,620	
			163,620	...	*Balance in hand at end of the year.*				
					Teak logs—				
					Upper Chindwin ...	2	37		
					Yaw	6	533		
					Minbu	8	647		
					Other logs—				
					Yaw	1	23	17	940
Total ...	...	...	164,041	55,634	Total ...	...	...	164,041	55,634
ACCOUNT OF DRIFT TIMBER.					ACCOUNT OF DRIFT TIMBER.				
Balance at commencement of the year.					*Disposals during the year.*				
Teak logs—					*Transferred to Government Account.*				
Upper Chindwin ...	3	95			Teak logs—				
Lower Chindwin ...	5	169			Upper Chindwin ...	35	646		
Yaw	50	4,052			Lower Chindwin ...	279	4,649		
Minbu	104	5,187			Yaw	209	11,489		
					Minbu	89	3,350		
Other logs—					Teak posts—				
Yaw	7	350			Lower Chindwin ...	2	20		
			169	9,953	Other logs—				
Collected during the year					Lower Chindwin ...	89	400		
Teak logs—					Yaw	42	1,528		
Upper Chindwin	46	1,265			Minbu	2	72		
Lower Chindwin ...	486	9,720			Other planks—				
Yaw	1,038	61,212			Lower Chindwin ...	23	115		
Minbu	574	25,908						720	22,169
					Made over to claimants				
Teak posts—					Teak logs—				
Lower Chindwin ...	2	20			Upper Chindwin ...	12	622		
					Lower Chindwin ...	203	4,060		
Other logs—					Yaw	756	52,401		
Lower Chindwin ...	39	400			Minbu	600	26,928		
Yaw	37	1,235			Other logs—				
Minbu . ..	5	116			Yaw	2	57		
								1,573	84,158
Other planks—					*Lost or drifted.*				
Lower Chindwin ...	23	115			Teak logs—				
					Lower Chindwin ...	10	200		
					Yaw	1	4		.
					Minbu	1	12		
					Other logs—				
					Minbu	1	10		
								13	226
					Balance at end of the year.				
					Teak logs—				
					Upper Chindwin ...	2	92		
					Lower Chindwin ...	49	980		
					Yaw ..	32	1,280		
					Minbu	18	905		
					Other logs—				
					Minbu	2	34		
			2,240	99,991				103	3,291
Total ...	..	...	2,409	109,944	Total ..	.	...	2,409	109,944

FORM 59A.—*Statement showing the Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally during the year 1894-95.*

Particulars.	Eastern circle.		Western circle.		Total of each head.	
	Number	Cubic feet	Number	Cubic feet.	Number	Cubic feet
1	2	3	4	5	6	7
Account of Government Timber.						
Opening balance ...	3,629	112,588	297	18,534	3,926	130,922
Received in depôts—						
Teak logs (lapsed drift)	1,680	38,553	624	20,154	2,704	58,707
Other kinds (lapsed drift)	76	3,725	73	2,000	149	4,725
Other wood converted (lapsed drift) ...	...	...	23	115	23	115
Teak logs (confiscated)	687	12,606	...	...	687	12,606
Other logs (confiscated)	278	5,770	...	...	278	5,770
Teak converted (confiscated)	330	355	...	...	330	355
Other wood converted (confiscated)	1,114	2,486	...	...	1,114	2,486
Other wood converted confiscated)	...	1,933	...	...	...	1,933
Teak logs Maung Bauk's lapsed to Government)	12	752	...	...	12	752
Teak logs (Government extraction)	6,191	239,357	368	14,545	6,559	253,902
Other log. (Government extraction)	55	1,960	36	38	91	1,846
Teak logs (trees rejected logs)	547	15,754	...	...	547	15,754
Total ...	13,999	434,249	1,421	55,634	15,420	489,883
Opening balance—						
Bamboos	500	...	...	...	500	...
Received in depôts—						
Bamboos	2,100	...	2,600	...	4,700	...
Canes	...	...	160,020	...	160,020	...
Total ...	2,600	...	162,620	...	165,220	...
Account of Drift Timber.						
Opening balance ...	294	7,775	169	9,953	463	17,728
Collected during the year—						
Teak logs	1,852	64,406	2,146	98,125	3,998	162,531
Other logs	141	4,476	71	1,751	212	6,227
Other wood converted	...	...	23	115	23	115
Total ...	2,287	76,657	2,409	109,944	4,696	186,601

Particulars.	Eastern circle.		Western circle		Total of each head.	
	Number	Cubic feet.	Number.	Cubic feet.	Number.	Cubic feet.
8	9	10	11	12	13	14
Account of Government Timber.						
Sold—						
Teak logs	8,472	306,106	1,267	51,830	9,739	357,936
Teak converted	1,092	1,478	...	...	1,092	1,478
Other logs	301	8,797	107	2,935	608	11,235
Other wood converted	1,114	2,466	23	115	1,137	2,581
*Other wood converted	...	1,483	...	...	...	1,483
Used departmentally—						
Teak logs	65	2,226	6	486	71	2,712
Other logs	1	13	...	...	1	13
Drifted away—						
Teak logs	33	1,416	...	...	33	1,416
Other logs	12	343	1	25	13	368
Made over to Railway Department—						
Other logs	2	34	...	...	2	34
Closing balance—						
Teak logs	2,541	107,957	16	917	2,557	108,874
Other logs	51	1,470	1	23	52	1,493
Teak converted	14	10	...	...	14	10
Other wood converted	...	450	...	...	...	450
Total ...	13,999	434,249	1,421	55,634	15,420	489,883
Sold—						
Bamboos	2,600	...	2,600	...	5,200	...
Canes	...	...	160,020	...	160,020	...
Total ...	2,600	...	162,620	...	165,220	...
Account of Drift Timber.						
Made over to claimants—						
Teak logs	1,022	33,260	1,571	84,101	2,593	116,361
Other logs	68	1,822	2	57	70	1,878
Transferred to Government Account—						
Teak logs	1,080	38,553	624	20,154	1,704	58,707
Other logs	76	3,725	73	2,000	149	4,725
Other wood converted	...	...	23	115	23	115
Drifted away—						
Teak logs	4	122	12	216	16	338
Other logs	...	...	1	10	1	10
Closing balance—						
Teak logs	33	1,058	101	3,357	134	4,315
Other logs	4	120	2	34	6	154
Total ...	2,287	76,657	2,409	109,944	4,696	186,601

FORM No. 60.—*Abstract showing the Value of Timber and other Produce at Sale Depôts in the Eastern and Western Circles for the year 1894-95.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks
	No.	Cubic feet	Value	No	Cubic feet.	Value.	In favour of the year	Against the year	
1	2	3	4	5	6	7	8	9	10
EASTERN CIRCLE.			Rs.			Rs.	Rs	Rs.	
Bhamo—									
Teak logs	107	3,588	962	284	11,889	4,438			
Teak logs	437 (a)	22,026	14,443	361 (b)	13,981	9,760			(a) *En route* to Mandalay
Teak logs	823 (b)	31,054	21,735	645 (c)	33,600	23,520	580	...	(b) At Mandalay
Other logs	..	...	...	2	54	2			(c) At Rangoon
Katha—									
Teak logs	138	6,864	2,740	12	904	120			
Teak logs	799(b)	30,474	11,531	58	2,109	1,260	3,704	...	
Teak logs	...	...	...	474 (c)	22,806	16,590			
Other logs	6	100	4	9	234	9			
Mandalay—									
Teak logs	75	2,208	662	5	141	24			
Other logs	6	225	12	22	726	44		582	
Other wood fuel	...	...			450	24			
Mu—									
Teak logs	626	14,460	3,416	902	22,472	8,044			
Teak scantlings	777 *	1,103	900	14	10	3	4,138	..	* Shown in last year's report by an error as 1,666 scantlings amounting 2,701 cubic feet
Other logs	146	868	15	18	440	22			
Total Eastern Circle	3,629	112,388	56,020	2 706	109,887	63,880	7,840	...	
WESTERN CIRCLE.									
Teak logs	297	18,534	17,523	16	917	320	..	17,203	
Other logs	...	...	...	1	23	3	2		
Total Western Circle	297	18,534	17,523	17	940	323	...	17,201	
GRAND TOTAL UPPER BURMA	3,926	130,922	73,543	2 723	110,827	64,182	..	9,361	

FORM No. 60A —*Abstract showing the Value of Live and Dead Stock in the Eastern and Western Circles for the year 1894-95.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No	Cubic feet.	Value	No.	Cubic feet	Value	In favour of the year	Against the year	
1	2	3	4	5	6	7	8	9	10
EASTERN CIRCLE			Rs			Rs			
Elephants	22	...	26,112	21	..	24,982	..	1,130	Does not include two calves
Bullocks	2	...	160	2	..	160			
Buildings (a)	29	...	57,127	33		(b) 61,028	3,895	...	(a) Number shows only buildings costing over Rs 200, but the cost of all buildings is included in the value. (b) Rupees 800 deducted on account of Tigyaing bungalow destroyed by fire.
Dead-stock	...	...	36,307	...	...	37,759	1,552	...	The value of buildings and dead-stock is arrived at by adding value of buildings and dead-stock acquired during the year to the value of the same in the beginning of the year, less 5 per cent of the latter on account of deterioration.
Total Eastern Circle		...	1,19,606	.	...	1,23 923	4,117	...	
WESTERN CIRCLE									
Live-stock ...	20	...	24,037	19	...	22,837		1,200	
Buildings	16	...	40,058	22	...	46,231	6,173		Number shows only buildings costing over Rs 200, but the cost of all buildings is included in value.
Dead-stock	...	...	23,960	..	...	25,037	1,077	...	The value of buildings and dead-stock is arrived at by adding value of buildings and dead-stock acquired during the year to the value of the same at the beginning of the year, less 5 per cent of the latter on account of depreciation
Total Western Circle .	...	..	88,055	.	...	94,105	6,050		
GRAND TOTAL UPPER BURMA ...	...	..	2,07,661	.	...	2,18,028	10,367	.	

FORM NO. 61.—*Statement showing Summary of Revenue of the different Divisions in the Eastern and Western Circles during the year 1894-95.*

Budget heads.	Direction.	Bhamo division.	Katha division	Mandalay division.	Mu division.	Pyinmana division.	Southern Shan States division	Ruby Mines division	Total Eastern Circle	Direction	Upper Chindwin division	Lower Chindwin division	Yaw division	Minbu division	Total Western Circle.	Grand Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
REVENUE.	Rs	Rs.	Rs	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs	Rs.	Rs	Rs.	Rs.	Rs.	Rs
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY.																
(a) Timber	...	63,269	34,777	1,530	...	...	...	840	1,00,416	...	...	...	669	27,845	28,513	1,28,928
(b) Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bamboos	...	2	...	31	...	...	...	...	33	...	777	...	...	52	829	862
(d) Sandal wood	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Grass and other minor produce	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	63,271	34,777	1,561	...	...	...	840	1,00,449	...	777	...	669	27,895	29,341	1,29,790
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.																
(a) Timber ...	...	93,245	52,721	86,482	64,767	8,60,300	41,959	6,79,523	13,78,997	...	1,45,125	1,14,485	43,121	11,736	3,14,467	16,93,464
(b) Firewood and charcoal	...	64	5,369	21,951	5,001	1,458	...	1,325	35,172	...	311	571	1,302	833	3,017	38,189
(c) Bamboos	...	2,720	13,494	6,148	13,867	1,873	...	3,651	39,953	...	13,008	7,093	403	6,365	26,819	66,772
(d) Grazing and fodder grass	...	...	...	81	..	...	...	...	81	...	...	...	..	.		81
(e) Other minor produce	...	1,29,336	3,419	1,931	5,942	1,439	...	117	1,41,174	...	4,009	21,648	43,478	22,197	91,332	2,32,506
Total ...	...	2,25,355	74,003	1,16,597	87,777	8,65,070	41,959	1,84,616	15,95,377	...	1,62,453	1,43,797	88,304	41,151	4,35,635	20,31,012
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE ...	...	792	10,373	2,525	6,249	1,038	34	2	20,813	...	265	1,940	5,947	1,225	9,377	30,290
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—																
(a) Duty on foreign timber and other forest produce ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Revenue from shared and private forests ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	..	...	...	..	...	...	...	...	...	..		...	...	..
V.—MISCELLANEOUS—																
(a) Fines and forfeitures ...	...	...	...	26	...	...	...	...	26	...	...	33	2,000	160	2,193	2,219
(b) Refunds ...	236	91	102	134	50	393	...	59	1,073	287	112	116	112	763	1,103	1,836
(c) Other sources ...	4	1,334	3,640	2,585	1,428	4,339	...	1,307	14,637	9	1,133	2,376	2,738	1,947	8,203	22,840
Total ...	240	1,425	3,742	2,735	1,478	4,732	18	1,366	15,736	296	1,245	2,525	4,850	2,319	11,159	26,895
GRAND TOTAL REVENUE ...	240	2,90,843	1,22,795	1,23,418	95,504	8,70,840	42,011	1,86,824	17,32,475	296	1,64,740	1,48,212	99,774	72,490	4,85,512	22,17,987

CALCUTTA.
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM No. 61.—*Statement showing Summary of Expenditure of the different Divisions in the Eastern and Western Circles during the year 1894-95.*

Budget heads	Direction.	Bhamo division.	Katha division.	Mandalay division.	Mu division.	Pyinmana division.	Southern Shan States division	Ruby Mines division.	TOTAL EASTERN CIRCLE.	Direction.	Upper Chindwin division.	Lower Chindwin division	Yaw division.	Minbu division.	TOTAL WESTERN CIRCLE.	GRAND TOTAL.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A.—CONSERVANCY AND WORKS.																
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—	Rs.	Rs.	Rs	Rs	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Timber	117	21,230	10,108	7,620	...	...	...	345	39,420	...	1,101	...	...	4,677	5,778	45,198
(b) Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bamboos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) Sandal-wood	...	...	...	...	...	...	...	...	...	...	1,101	...	...	...	1,101	1,101
(e) Grass and other minor produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	117	21,230	10,108	7,620	...	...	...	345	39,420	...	1,101	...	...	4,677	5,778	45,198
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS	14	69	89	87	...	332	...	...	591	25	211	2,625	1,084	83	4,028	4,619
III.—DRIFT AD WAIF WOOD AND CONFISCATED FOREST PRODUCE	1,065	3,185	3,836	3,264	643	37	...	24	12,054	2,608	52	739	2,043	1,123	6,565	18,619
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—																
(a) Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Revenue from shared and private forests	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VI.—LIVE-STOCK, STORES, TOOLS AND PLANT—																
(a) Purchase of cattle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Feed and keep of cattle	1,334	790	1,599	657	672	974	1,032	539	7,597	276	2,209	1,667	1,280	983	6,415	14,012
(c) Purchase of stores, tools and plant	1,802	117	387	237	108	118	102	491	3,362	1,381	346	150	155	243	2,275	5,637
Total	3,136	907	1,986	894	780	1,092	1,134	1,030	10,959	1,657	2,555	1,817	1,435	1,226	8,690	19,649
VII.—COMMUNICATIONS AND BUILDINGS—																
(a) Roads and bridges	...	38	7	131	95		...	...	271		...	...	...	52	52	323
(b) Buildings	...	1,500	1,649	57	2,573	1,271	20	141	7,511	...	6,299	162	1,989	487	8,937	16,448
(c) Other works	14	129	236	99	296	111	100	50	1,035	...	574	75	33	193	875	1,910
Total	14	1,667	1,892	287	2,964	1,382	120	191	8,817	...	6,873	237	2,022	732	9,864	18,681
VIII.—ORGANIZATION, IMPROVEMENT, AND EXTENSION OF FORESTS—																
(a) Demarcation	3	442	1,226	...	890	120	...	679	3,360	233	1,247	1,205	627	762	4,074	7,434
(b) Costs of settlements, compensation for land and rights	250	3,295	177	...	1,430	...	...	...	5,152	8,396	29	...	...	4	4,429	13,581
(c) Surveys	...	78	215	...	236	18,082	...	...	18,611	...	...	1,391	232	201	1,824	20,435
(d) Working-plans	24	...	74	267	...	...	...	133	518	...	117	386	11		514	1,032
(e) Sowing and planting	268	57	232	205	...	1,493	...	569	2,724	...	...	...	...	551	551	3,285
(f) Protection from fire	...	...	1,993		...	47	1,363	383	3,991	...	200	...	...	645	845	3,936
(g) Other works	...	5	10	...	...	72	...	73	160	...	...	60	...	...	60	220
Total	545	3,877	3,227	472	2,603	21,040	...	1,862	33,626	8,629	1,593	3,042	870	2,163	16,297	49,923
IX.—MISCELLANEOUS—																
(a) Refunds	...	10	...	...	297		...	50	357	...	48	11	85	62	206	563
(b) Law charges	...	...	...	...	...	...	...	5	5	...	...	...	...	...	...	5
(c) Other charges	176	24	273	359	10	102	286	17	1,247	189	3,181	311	670	946	5,297	6,544
Total	176	34	273	359	307	102	286	72	1,609	189	3,229	322	755	1,008	5,503	7,112
TOTAL A.—CONSERVANCY AND WORKS	5,067	30,963	21,411	12,983	7,592	23,985	1,540	3,524	107,076	13,108	15,614	8,782	8,209	11,012	56,725	1,63,801

FORM NO. 61 —*Statement showing Summary of Expenditure of the different Divisions in the Eastern and Western Circles during the year 1894-95*—concluded.

Budget heads.	Direction	Bhamo division.	Katha division	Mandalay division	Mu division	Pyinmana division	Southern Shan States division	Ruby Mines division	TOTAL EASTERN CIRCLE	Direction	Upper Chindwin division	Lower Chindwin division	Yaw division	Minbu division	TOTAL WESTERN CIRCLE	GRAND TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Rs	Rs.	Rs	Rs	Rs.	Rs	Rs	Rs	Rs	Rs	Rs.	Rs.	Rs	Rs.	Rs	Rs
Brought forward, Total A.—Conservancy and Works ..	5,067	30,959	21,411	13,983	7,597	23,985	1,540	3,524	1,07,076	13,108	15,614	8,782	8,209	11,012	56,725	1,63,801
B —ESTABLISHMENT.																
I —SALARIES—																
(a) Conservators	14,664								14,664	16,200					16,200	30,864
(b) Superior officers	2,434	12,000	10,542	11,610	7,840	14,187	7 386	6,580	72,579	4,193	10,670	19,472	10,246	9,776	54,357	1,26,936
(c) Subordinate forest and depôt establishments ...	—	4,697	7,353	9,179	4,546	13,107	1,091	2,379	42,554		4,848	5,562	8,052	5,644	24,106	66,660
(d) Office establishments	8,154	2,717	3,823	4,941	1,902	3,442	1,270	2,660	28 809	6,344	3,077	3,504	2,615	2,065	18,595	47,314
(e) Deputation and special allowances ..	1,116	2,337	3,122	2,437	1,200	2,856	1,331	2,022	17,321	1,698	2,595	3,812	2,391	2,400	12,896	30,217
(f) Exchange compensation allowance ..	3,170	1,722	1,410	1,749	..	2,369	1,367	1,093	12,880	5,251	1,303	3,235	1,778	1,817	13,388	26,268
Total ..	29,538	23,473	26,252	29,916	15,488	35,961	13,445	15,734	1,88,807	33,690	22,493	35,585	25,082	22,602	+1,39,452	3,28,259
II —TRAVELLING ALLOWANCES—																
(a) Conservators	1,545								1,545	1,249					1,249	2 794
(b) Superior officers	368	2,271	3,593	2,664	1,410	3,954	1,492	1,729	16,581	1,520	1,589	2,959	1,974	1,952	9,994	26,575
(c) Subordinate forest and depôt establishments ..		710	1,153	1,414	487	1,613	333	203	5 913	—	718	1,067	578	659	3,022	8,934
(d) Office establishments	640	538	556	687	235	687	52	461	4,331	468	549	462	558	454	2,491	6,822
Total ..	2,553	3,519	5,302	4,765	2,132	5,354	2,352	2,392	28,369	3,237	2,856	4,488	3,110	3,065	16,756	45,125
III —CONTINGENCIES—																
(a) Stationery	33	2	7	—	1	1		2	46	28			12	2	42	88
(b) Carriage of tents and records	3	31	284	251	63	105	328	545	1,610	307	515	673	343	308	2,146	3,756
(c) Rents, rates and taxes	—	18	—	260	14	19	..	275	586	—		4	17	88	109	695
(d) Pay of police guards	—	—	—	—	—	—			—			—	—			
(e) Official postage	335	59	158	114	142	130	10	76	1,024	318	63	103	170	139	793	1,817
(f) Sundries	975	252	505	298	41	49	103	96	2,319	823	315	301	172	195	1,806	4,125
Total ..	1,346	362	954	923	261	304	441	994	5,585	1,476	893	1,081	714	732	4,896	10,481
TOTAL B —ESTABLISHMENT ...	33,437	27,354	32,508	35,604	17,881	41,619	15,238	19,120	2,22,761	38,403	26,242	41,154	28,906	26,399	1,01,104	3,83,885
GRAND TOTAL EXPENDITURE ..	38,504	58,323	53,919	48,587	25,478	65,624	16,778	22,644	3,29,837	51,511	41,856	49,936	37,115	37,411	2,17,829	5,47,666
Surplus or deficit .	— 38,264	+2 32,520	+ 68,876	+ 74,831	+ 70,026	+8,05,236	+ 25,233	+1,64,180	+14,02,638	— 51,215	+1 22,884	+ 98,276	+ 62,659	+ 35,079	+2,67,683	+16,70,321

CALCUTTA
The 31st August 1895

J C BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 62.—*Statement showing Account-Current in the Eastern Circle for the year 1894-95.*

1			2	3	4			5	6
EASTERN CIRCLE.			Rs A. P	Rs A. P	EASTERN CIRCLE			Rs. A. P	Rs. R. A.
To Cash Balance			.....	959 8 10	I.—Refunds and drawbacks			.....	58 0 0
To VIII.—Assessed Taxes—					By Expenditure as per Annual Summary Form No 58			.....	3,29,837 7 9
Income-tax deductions from salaries			.....	3,501 10 5	By Deposits			.....	216 10 7
Revenue as per Annual Summary Form No. 58			.....	17,32,475 5 9	*By Forest Cash Remittances, Local—*				
To Service Funds—					Remittances to Treasuries			17,06,163 1 11	
Civil Fund, Ordinary, Bengal			.....		Inter-divisional transfers			3,336 12 10	
Civil Fund, Additional, Bengal			.....						17,09,499 14 9
Military Fund, Bengal			.....		By Advances recoverable			.....	1,63,119 1 5
Military Fund, Madras			.....		By Suspense			.....	145 10 8
Military Orphan Fund, Bengal			.....		*By Account-Current (other Governments)—*				
Uncovenanted Service Family Pension Fund, Bengal			402 9 6		Remittances to the Government of India			.....	13,938 5 0
General Family Pension Fund			.....		*By Inter-Departmental Transfers—*				
Hindu Family Annuity Fund			.....				Rs A. P.		
				402 9 6	Public Works Department State Railway		21,685 9 8		
To Deposits			.....	1,300 0 0	Public Works Department, Ordinary Branches		1,153 15 4		
To Forest Cash Remittances (Local)—								22,839 9 0	
Forests cheques drawn			3,29,027 5 3		Military Department, Bengal			19 0 6	
Inter-divisional transfers			3,270 7 4		*Civil Department—*				
				3,32,297 12 7			Rs A. P.		
To Advances recoverable			.....	1,57,745 10 5	Jail Department		9,392 4 1		
To Suspense			.....	311 7 5	Police Department		222 0 0		
To Account-Current (other Governments)—					Survey of India		7 0 0		
Remittances from Government of India			18,795 7 10		Miscellaneous		28 0 0		
Remittances from Government of Bengal			50 0 7					9,649 4 1	
				18,845 8 5	Marine Department			14 11 6	
To Inter-Departmental Transfers—									33,522 9 1
Public Works Department, State Railway			3 4 8		By Cash Balance			.....	791 6 1
		Rs A. P.					Total	.....	22,50,109 1 4
Military Department, Bengal		592 13 8							
Military Department, Madras		10 9 4							
			603 7 0						
Civil Department—									
		Rs. A. P.							
Jail Department		3 12 0							
Survey of India Department		340 6 0							
Miscellaneous		996 2 4							
			1,340 4 4						
Telegraph Department		241 0 0							
Marine Department		82 8 0							
				2,279 8 0					
		Total	.....	22,50,109 1 4					

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 62.—*Statement showing Account-Current in the Western Circle for the year 1894-95.*

1		2	3	4		5	6
WESTERN CIRCLE.		Rs. A. P.	Rs. A. P.	WESTERN CIRCLE.		Rs. A. P.	Rs. A. P.
To Cash Balance			164 15 3	By Expenditure as per Annual Summary Form No. 62			2,17,829 2 5
To Fill.—Assessed taxes—							
Income-tax deductions from salaries			3,993 3 11	By Deposits			
Revenue as per Annual Summary Form No. 61			4,85,512 7 1	*By Forest Cash Remittances—Local—*			
To Service Funds—				Remittances to treasuries		4,83,275 11 5	
Civil Fund, Ordinary, Bengal				Inter-divisional transfers		936 10 3	
Civil Fund, Additional, Bengal							4,84,212 5 8
Military Fund, Bengal				By Advances recoverable			1,05,267 5 3
Military Fund, Madras				By Suspense			65 9 0
Military Orphan Fund, Bengal				*By Account Current (other Governments)—*			
Uncovenanted Service Family Pension Fund, Bengal		824 0 0		Remittances to the Government of India		331 10 0	
General Family Pension Fund		172 8 0		Remittances to the Government of Assam		900 0 0	
Hindu Family Annuity Fund			996 8 0	*By Inter-Departmental Transfers—*			1,231 10 0
To Deposits				Public Works Department, Ordinary Branches		376 11 7	
To Forest Cash Remittances—Local—				Military Department, Bengal		29 8 2	
Forest cheques drawn		2,05,189 5 5		*By Civil Department—*			
Inter-divisional transfers		1,154 2 2	2,06,343 7 7		Rs. A. P.		
To Advances recoverable			1,09,846 15 6	Miscellaneous	441 0 8		
To Suspense			0 0 1	Jail Department	1,102 0 3		
To Account Current (other Governments)—				Survey of India Department	9 0 0		
Remittances from Government of India		1,127 6 3				1,552 0 11	
Remittances from Government of Bengal		5 0 0	1,132 6 3				1,958 4 8
To Inter-Departmental Transfers—				By Cash Balance			38 5 3
Public Works Department							
	Rs. A. P.						
Military Department, Bengal	745 5 11						
Military Department, Madras	357 6 8						
		1,102 12 7					
Marine Department		1,375 10 6					
To Civil Department—							
Jail Department							
	Rs. A. P.						
Mathematical Instrument Department	313 2 8						
Miscellaneous	805 1 6						
		1,118 3 6	5,596 10 7				
Total			8,10,592 10 3	Total			8,10,592 10 3

CALCUTTA:
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM No. 62A.—*Statement showing Account-Current of the Eastern and Western Circles for the year 1894-95.*

Particulars	Eastern Circle	Western Circle	Total	Particulars.	Eastern Circle.	Western Circle.	Total
1	2	3	4	5	6	7	8
	Rs A. P	Rs A. P	Rs A. P.		Rs. A. P.	Rs. A. P.	Rs A. P.
To Cash Balance	959 8 10	164 15 3	1,124 8 1	I.—Refunds and drawbacks	38 0 0	.....	38 0 0
To VIII.—Assessed Taxes—				By Expenditure as per Annual Summary, Form No. 61 ...	3,29,837 7 9	2,17,829 2 5	5,47,666 10 2
Income-tax deductions from salaries	3,591 10 5	2,999 3 11	6,590 14 4	By Deposits	216 10 7	.....	216 10 7
To Revenue as per Annual Summary Form No. 61 ...	17,32,475 5 9	4,85,512 7 1	22,17,987 12 10	*By Forest Cash Remittances, Local—*			
To Service Funds—				Remittances to treasuries	17,06,163 1 11	4,83,275 11 5	21,89,438 13 4
Civil Fund, Ordinary, Bengal	.....	.....	.....	Inter-divisional transfers	3,336 12 10	936 10 3	4,273 7 1
Civil Fund, Additional, Bengal	.....	.....	.....	Advances recoverable	1,63,119 1 5	1,05,267 5 3	2,68,386 6 8
Military Fund, Bengal	.....	.....	.....	Suspense	145 10 8	65 9 0	211 3 8
Military Fund, Madras	.....	.....	.....				
Military Orphan Fund, Bengal	.....	.....	.....				
Uncovenanted Service Family Pension Fund, Bengal ...	402 9 6	824 0 0	1,226 9 6	*By Account-Current (other Governments)—*			
General Family Pension Fund	.....	172 8 0	172 8 0	Remittances to the Government of India ...	13,938 5 0	331 10 0	14,269 15 0
Hindu Family Annuity Fund	.....	.....	.....	Remittances to the Government of Assam ...	.....	900 0 0	900 0 0
To Deposits	1,200 0 0	.....	1,200 0 0				
To Forest Cash Remittances, Local—				*By Inter-departmental Transfers—*			
Forest cheques drawn	3,29,027 5 3	2,05,189 5 5	5,34,216 10 8	Public Works Department, State Railway ...	21,685 9 8	.....	21,685 9 8
Inter-divisional transfers	3,270 7 4	1,154 2 2	4,424 9 6	Public Works Department, Ordinary Branches ...	1,153 15 4	376 11 7	1,530 10 11
Advances recoverable	1,57,745 10 5	1,09,846 15 6	2,67,592 9 11	Military Department, Bengal	19 0 6	29 8 2	48 8 8
Suspense	311 7 5	0 0 1	311 7 6				
To Account-Current (other Governments)—				*By Civil Department—*			
Remittances from Government of India	18,795 7 10	1,127 6 3	19,922 14 1				
Remittances from Government of Bengal	50 0 7	5 0 0	55 0 7				
To Inter-departmental Transfers—							
Public Works Department, State Railway ...	3 4 8	.....	3 4 8	Jail Department	9,392 4 1	1,102 0 3	10,494 4 4
Military Department, Bengal	592 13 8	745 5 11	1,338 3 7	Police Department	222 0 0	.....	222 0 0
Military Department, Madras	10 9 4	357 6 8	368 0 0	Survey of India	7 0 0	9 0 0	16 0 0
To Civil Department—				Miscellaneous	28 0 0	441 0 8	469 0 8
Jail	3 12 0	.....	3 12 0	Marine Department	14 11 6	.....	14 11 6
Survey of India Department	349 6 0	313 2 0	662 8 0	To Cash Balance	791 6 1	28 5 3	819 11 4
Miscellaneous	996 2 4	805 1 6	1,801 3 10				
Telegraph Department	241 0 0	..	241 0 0				
Marine Department	82 8 0	1,375 10 6	1,458 2 6				
Total ...	22,50,109 1 4	8,10,592 10 3	30,60,701 11 7	Total	22,50,109 1 4	8,10,592 10 3	30,60,701 11 7

FORM NO. 63.—*Statement showing Revenue received and Outstandings on account of Revenue in the Eastern and Western Circles for the year 1894-95.*

Division.	Particulars	Outstandings at commencement of year	Value of sales and other revenue during year	Total	Amount realised during year	Balance due to the Department at end of year.	Remarks
1	2	3	4	5	6	7	8
EASTERN CIRCLE		Rs A. P	Rs A P	Rs. A. P	Rs A P.	Rs. A. P.	
Direction	Revenue received during the forest year 1894-95	.....	240 1 0	240 1 0	240 1 0	.....	
Bhamo	Ditto	4,104 1 9	3,08,494 14 10	3,12,599 0 7	2,90,842 14 6	21,756 2 1	Rupees 21,389-1-6 outstanding against Hadji Mahomed Hady, lessee.
Katha	Ditto	3,254 0 1	1,27,742 12 0	1,30,996 12 1	1,22,795 8 4	8,201 3 9	
Ruby Mines	Ditto	19 1 7	1,86,823 12 4	1,86,842 13 11	1,86,823 12 4	19 1 7	Since written off as irrecoverable
Mandalay	Ditto	3 12 0	1,23,414 13 0	1,23,418 9 0	1,23,418 9 0	.....	
Mu	Ditto	.....	95,503 10 3	95,503 10 3	95,503 10 3	.....	
Pyinmana ...	Ditto	.....	8,70,840 6 4	8,70,840 6 4	8,70,840 6 4	.....	
Southern Shan States ...	Ditto	14,800 0 0	40,920 8 0	55,720 8 0	42,010 8 0	13,710 0 0	Includes Rs. 10,000, fines imposed on the Mongnai and Maukmai Sawbwas for illicit guriling not paid up yet.
	Total Eastern Circle ...	22,180 15 5	17,53,980 13 9	17,76,161 13 2	17,32,475 5 9	43,686 7 5	
WESTERN CIRCLE.							
Direction	Revenue received during the year	.....	295 9 9	295 9 9	295 9 9	.....	
Upper Chindwin ...	Ditto	.....	1,65,904 5 11	1,65,904 5 11	1,64,740 5 3	1,164 0 8	
Lower Chindwin ...	Ditto	23 5 6	1,48,188 8 10	1,48,211 14 4	1,48,211 14 4	.....	
Yaw ...	Ditto	96 4 0	4,04,223 15 6	4,04,320 3 6	99,774 6	4,545 12 0	
Minbu	Ditto	396 6 6	72,093 11 9	72,490 2 3	72,490 2 3	.....	
	Total Western Circle ...	516 0 0	4,90,706 3 9	4,91,222 3 9	4,85,512 7 1	5,709 12 8	
	GRAND TOTAL UPPER BURMA ...	22,696 15 5	22,44,687 1 6	22,67,384 0 11	22,17,987 12 10	49,396 4 1	

FORM NO. 64.—*Statement showing Outstandings and Liabilities on account of Contractors and Disbursers in the Eastern and Western Circles for the year 1894-95.*

Division.	Department debtor.			Department creditor.			Balance due.		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year	At commencement of year	Payments made during year.	At close of year	To department (outstandings)	By department (liabilities).	
1	2	3	4	5	6	7	8	9	10
EASTERN CIRCLE	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs A P.	Rs A. P.	
Direction	.....	5,861 4 8	5,861 4 8	1,812 7 9	4,423 0 3	6,235 8 0	374 3 4	. .	
Bhamo	.....	37,870 12 1	37,870 12 1	362 0 6	38,037 2 9	38,399 3 3	528 7 2	.....	
Katha	.....	39,736 4 1	39,736 4 1	8,429 11 11	44,819 15 11	53,249 11 10	13,513 7 9	.....	
Mandalay	.....	28,609 2 3	28,609 2 3	538 0 4	29,418 8 9	29,956 9 1	1,347 6 10	.....	
Mu	.....	1,553 2 0	1,553 2 0	649 0 0	967 9 0	1,616 9 0	63 7 0	.....	
Pyinmana	.....	25,569 15 5	25,569 15 5	806 6 9	25,913 8 7	26,719 15 4	1,149 15 11	.....	
Southern Shan States	.....	4,693 3 0	4,693 3 0	.....	4,755 15 0	4,755 15 0	62 12 0	.....	
Ruby Mines	.....	13,851 14 11	13,851 14 11	.....	14,783 5 2	14,783 5 2	931 6 3	.....	
Total ...	.....	1,57,745 10 5	1,57,745 10 5	13,597 11 3	1,63,119 1 5	1,75,716 12 8	17,971 2 3	.....	
WESTERN CIRCLE									
Direction	.....	12,546 10 6	12,546 10 6	660 13 5	11,981 1 2	12,641 13 7	95 3 1	.....	
Upper Chindwin	.....	29,574 3 4	29,574 3 4	3,786 9 11	20,276 13 9	24,063 7 8	489 4 4	.....	
Lower Chindwin	.....	34,336 11 4	34,336 11 4	1,844 7 11	33,638 6 2	35,482 14 1	1,146 2 9	.....	
Yaw	.....	17,605 6 6	17,605 6 6	561 2 6	17,627 4 4	18,188 6 10	583 0 4	.....	
Minbu	.....	21,783 15 10	21,783 15 10	17,419 12 1	21,743 11 10	39,163 7 11	17,379 8 1	.....	
Total ...	.....	1,09,846 15 6	1,09,846 15 6	24,272 12 10	1,05,267 5 3	1,29,540 2 1	19,693 2 7	.....	

CALCUTTA :
The 31st August 1895.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FORM NO. 65.—*Statement showing the Financial Results in the Eastern and Western Circles for the year 1894-95.*

Division.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection, and improvement of forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
1	3	3	4	5	6	7	8	9
EASTERN CIRCLE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Direction	.....	.....	240	.....	.....	240	.....	
Bhamo	63,497	26,388	2,27,572	20,879	21,584	2,91,069	68,851	
Katha	36,112	12,687	76,316	24,899	24,348	1,12,428	61,934	
Ruby Mines	.....	.....	1,99,615	13,220	14,759	1,99,615	27,979	
Mandalay	.....	.....	1,05,783	24,567	21,691	1,05,783	46,258	
Mu	.....	.....	95,504	14,484	16,619	95,504	31,023	
Pyinmana	.....	.....	8,70,840	25,112	45,784	8,70,840	70,896	
Southern Shan States	.....	.....	56,996	11,448	11,448	56,996	22,896	
Total ...	99,609	39,075	16,32,866	1,34,529	1,56,233	17,32,475	3,29,837	
WESTERN CIRCLE.								
Upper Chindwin	777	1,101	1,64,184	27,843	29,680	1,64,961	58,624	
Lower Chindwin	.....	.....	1,48,324	30,625	29,351	1,48,324	59,976	
Yaw	669	.....	99,166	25,390	21,680	99,835	47,070	
Minbu	27,895	8,085	44,397	20,360	23,714	72,492	52,159	
Total ...	29,341	9,186	4,56,171	1,04,218	1,04,425	4,85,512	2,17,829	
GRAND TOTAL UPPER BURMA ...	1,28,950	48,261	20,89,037	2,38,747	2,60,658	22,17,987	5,47,666	

APPENDIX A.

Statement exhibiting the cost of feed and keep of Elephants of the Forest Department for the year 1894-95 as compared with that of the Commissariat Department for the same period.

Division.	Number of elephants at the beginning of the year.	Number of elephants received during the year.	Casualties and sales during the year.	Transferred to other divisions during the year.	Number at the close of the year.	Cost of feed	Cost of keep, including gear, &c.	Cost of medicines	Total expenditure during the year	Average monthly cost per animal of the Forest Department.	Average monthly cost per animal of the Commissariat Department	Amount paid by officers for carriage of elephants	Value of labour in cash receipts and work performed.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EASTERN CIRCLE.						Rs	Rs.	Rs	Rs.	Rs A P	Rs. A P.	Rs	Rs.	
Direction	4	...	...	1	3	11	1,296	27	1,334			258	.....	
Bhamo	2	1	...	1	2	85	765	..	790			312	.....	
Katha	6	1	(a) 1	3	3	23	1,570	6	1,599			159	.....	(a) Died 10th November 1894.
Ruby Mines	...	3	..	...	3	1	538	...	539	30 2 4	79 0 7	105	.....	
Mandalay	2	...	..	...	2	11	642	4	657			149	.....	
Mu	2	..	..	...	2	...	672	..	672			206	.....	
Pyinmana	3	...	...	..	(b) 3	6	967	1	974			284	.....	(b) Does not include one calf born on 30th April 1896.
Southern Shan States ...	3	..	...	...	(c) 3	23	1,008	1	1,032			284	.....	(c) Does not include one calf born on 24th December 1892.
Total Eastern Circle ...	22	5	1	5	21	100	7,458	39	7,597	.....	.....	1,757	.....	
WESTERN CIRCLE.														
Direction	1	3	1	..	3	5	270	1	276			453	... ...	
Upper Chindwin	6	...	...		(d) 6	1	2,184	24	2,209			307	.....	(d) And four calves.
Lower Chindwin	5	1	...	3	3	1	1,640	26	1,667	28 2 2	79 0 7	446	... ...	
Yaw	5	...	...	2	3	7	1,238	35	1,280			453	.....	
Minbu	(e) 3	1	...	..	4	6	967	10	983			149	.....	(e) Includes one elephant astray since January 1893.
Total Western Circle ...	20	5	1	5	19	20	6,299	96	6,415	.....	.....	1,808	.....	
Grand Total Upper Burma .	42	10	2	10	40	120	13,757	135	14,012	.....	.....	3,565	.....	

APPENDIX B.

List of buildings in the several divisions exceeding Rs. 200 in value for the year 1894-95.

Division.	Number.	Name of building.	Station.	Rent.	Remarks.
1	2	3	4	5	6
		EASTERN CIRCLE.			
		(a) Buildings for which rent is payable and rent.		Rs. A. P.	
Bhamo	1	Combined office and dwelling house.	Bhamo	22 0 0	
Katha	1		Katha	27 0 0	
Mu	1	Dwelling house	Shwebo	38 0 0	
Pyinmana ...	1		Pyinmana	22 0 0	
Southern Shan States	1	Combined office and dwelling house	Fort Stedman	8 0 0	
		(b) Buildings for which no rent is paid.			
Bhamo	1	Subdivisional office and bungalow...	Shwegu.		
	1	Revenue station	Bhamo.		
	1	Revenue depôt and Ranger's house	Bhamo.		
	1	Rest house	Tawlan.		
Katha	1	Subdivisional office and bungalow	Tigyaing	...	In course of construction in place of the old one destroyed by fire on 7th March 1895.
	1	Ranger's house	Indaw.		
	1	Rest house ...	Pliè.		
	1		Nantain.		
Ruby Mines	1	Subdivisional office and bungalow...	Môngmit.		
	1	Rest house	Magyichaung.		
	1		Myitsôn.		
Mandalay	1	Subdivisional office and bungalow.	Mandalay	...	Used as divisional office and quarters till September 1894 when the divisional office was removed to the palace.
	1		Maymyo.		
	1		Kyauksè.		
Mu	1	Revenue station house	Myinmu.		
	1		Tôktalôk.		
	1	Drift station house	Kyaukmyaung.		
	1	Divisional Forest office	Shwebo.		
	1	Subdivisional office and bungalow...	Ye-u	...	Shown in last year's form as divisional office and dwelling house.
Pyinmana	1	Divisional Forest office ...	Pyinmana.		
	1	Subdivisional office and bungalow	Yamèthin.		
	1	Rest house	Kôntha.		
	1		Aingyi.		
	1		Ngansat.		
	1		Taungnyo.		
	1		Padaukkôn.		
	1		Thayetchaung.		
	1		Chaunggwa.		
		WESTERN CIRCLE.			
		(a) Buildings for which rent is paid.			
Upper Chindwin ...	1	Combined office and dwelling	Kindat	44 0 0	
Lower Chindwin ...	1		Mônywa	32 0 0	
Yaw	1		Pakôkku	32 4 0	
Minbu	1	Dwelling house	Minbu	28 8 0	
		(b) Buildings for which no rent is paid.			
Upper Chindwin	1	Depôt Forester's house	Kindat.		
	1	Ranger's house	Maw.		
	1	Subdivisional combined office and dwelling.	Paungbyin.		
	1	Revenue Collector's house ...	Kya-in.		
	3	Zayats	Kindat-Mintharni road.		
Lower Chindwin	1	Depôt house	Alôn.		
	1	Subdivisional combined office and dwelling.	Mingin.		
Yaw	1	Subdivisional combined office and dwelling.	Gangaw.		
	1	Ranger's house	Pauk.		
	1	Depôt house	Pakôkku.		
	1	Forest office	Minbu.		
	1	Subdivisional combined office and dwelling.	Taungdwingyi.		
Minbu	1	Rest-house	Thethemyaung.		
	1		Sedaw.		
	1		Shwebân.		
	1		Sunchaung.		

APPENDIX C.

Statement showing Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95.

Forest division.	District or forest tract.	Name of forest.	Locality of survey.	No. of survey entered on map.	Area in acres counted out.	Teak trees counted out.												Dead teak trees.	Cutch.				Padauk.	Name of officer by whom survey was made and remarks.
						Sound green teak.				Unsound green teak.				Girdled teak.			Teak stumps.							
						I	II	III	IV	I	II	III	IV	Sound.	Unsound.	Under 6 feet girth.	Pull-sized.	Under-sized.	Above 3 feet girth.	Below 1 foot 6 inches or 3 feet girth.	Below 1 foot 6 inches girth.	Stumps.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
			EASTERN CIRCLE.																					
Bhamo.	Myitkyina ..	Namkwin	Between Taungni and Hopin - west of railway line, Namyin drainage area.	1	4·4	5	5	5	7	6	2	1	...	...	...	...	...	...	...	...	...	...	...	...	
			On road to Louton from Hopin, between Tagun and Kadaung chaungs.	2	4·8	33	11	8	2	10	1	5	1	...	...	...	...	...	...	...	...	...	...	...	
			Total ..	...	9·2	38	16	13	9	16	3	6	1	...	...	.	...	...	...	...	...	...	...	...	
			Average per acre ...	...	...	4·13	1·73	1·42	·98	1·8	·3	·6	·1	...	...	...	...	...	...	...	...	...	...	...	
						8·26				2·8															
	Katha ...	Tagun ...	(Kyusanlai) from top of pass down hill on the road to Lonton.	3	20·8	88	27	27	8	95	17	23	9	...	...	...	...	...	...	...	...	...	...	...	
			Average per acre ...		...	4·24	1·29	1·29	·39	4·56	·82	1·1	·44	...	...	...	...	...	...	...	...	...	...	...	
						7·21				6·92															
			(Lonton) on the Lonton-Kyusanlai road 4½ miles from Lonton.	4	14·4	2	16	58	42	2	11	36	182	...	...	...	...	...	...	...	...	...	...	...	
			South of Haungdon stream and Mamang deserted village.	5	9·6	8	23	71	43	7	10	61	144	..	...	...	...	...	...	...	...	...	...	...	Mr. E. S. Carr, Deputy Conservator of Forests.
			On the Lonton-Kyusanlai road between Hwemamone and Nantau streams	6	9·9	32	27	26	7	23	9	20	28	...	...	...	...	...	...	...	...	...	...	...	
			On the Lonton-Kyusanlai road east of Hwemamone chaung	7	10·0	4	10	21	8	2	4	9	31	...	...	...	...	...	...	...	...	...	...	...	
			Continuation of No. 7 after a patch of kaing grass.	8	3·0	3	2	9	8	5	3	10	40	...	...	...	...	...	...	...	...	...	...	...	
	Myitkyina	Indaw	Between Hwemamone and Hwesai streams.	9	7·4	14	13	19	30	17	14	31	78	...	...	...	...	...	...	...	...	...	...	...	
			East of lake Indaw 2½ miles from Laipon village on the north road to Wapaw village.	10	4·8	15	13	18	19	23	11	9	35	...	...	...	...	...	...	...	...	...	...	...	
			Laipon to Wapaw north road 2½ miles from Laipon.	11	22·8	2	1	12	42	38	11	22	261	...	...	...	...	...	...	...	...	...	...	...	
			On Wapaw-Laipon road between Hepa and Namma streams.	12	42·4	61	43	50	36	147	86	95	205	...	...	...	...	...	...	...	...	...	...	...	
			Continuation of above northwards on road	13	18·4	29	17	33	38	57	18	29	105	...	...	...	...	...	...	...	...	...	...	...	
			North of Namma chaung on the Laipon-Lwèkaw road.	14	50	85	11	7	2	132	17	19	31	...	...	...	...	...	...	...	...	...	...	...	
			Total ...	..	192·7	255	176	324	275	453	194	343	1,130	...	...	...	...	...	...	...	...	...	...	...	
			Average per acre ...	...	.	1·32	·91	1·61	1·5	2·35	1·0	1·77	5·88	..	...	..	...	...	...	...	...	...	...	...	
						5·34				11·0				...	...	...	...	...	...	...	...	...	...	...	

Statement showing Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95—continued

Forest division	District or forest tract	Name of forest	Locality of survey	No of survey entered on map	Area in acres counted out	Teak trees counted out: Sound green teak I	Sound green teak II	Sound green teak III	Sound green teak IV	Unsound green teak I	Unsound green teak II	Unsound green teak III	Unsound green teak IV	Girdled teak: Sound	Girdled teak: Unsound	Girdled teak: Under 6 feet girth	Teak stumps: Full sized	Teak stumps: Under sized	Dead teak trees	Catch: Above 3 feet girth	Catch: Below 1 foot 6 inches or 3 feet girth	Catch: Below 1 foot 6 inches girth	Catch: Stumps	Padauk	Name of officer by whom survey was made and remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
			EASTERN CIRCLE—continued																						
Bhamo—concluded	katha	Tagun	One mile from Nahu elevation 1,500 on the Nahu and Hopin roads	15 A	13	11	1	1	2	15	3	2	16	—	—	—	—		—	—	—	—	—	—	Mr E S Carr, Deputy Conservator of Forests
			Continuation of Nahu and Hopin roads after some pônzo (teakless)	15 B	14 6	20	7	11	3	35	5	12	8		—				—	—		—		—	
	Mvitkyina	ditto	Half a mile from Tagun chaung on the Laton road along the road to Nahu village.	16	7 2	6	5	9	7	9	4	6	11	—	—	—	—		—	—	—	—	—	—	
			Total		34·8	37	13	21	12	59	12	20	35												
			Average per acre	—	—	1 07	36	6	32	1 5	3	5	1·0	—			—					—	—	—	
				—	—	2 35				3·3				—	—	—						—	—	—	
			From 93½ Mu valley Railway along foot path to post 18, thence cart road to post one thence foot of Lwekan hill to post 46.	1 Mo	84 6	156	117	132	96	100	74	109	115	6	20	12	98		—			—			—	
			Fire trace in valley of Wanhin along east of railway	2 Mo	87·8	55	50	122	81	27	23	99	196	15	37	54	40		—	—	—	—			—	
			Fire trace in valley of Namyin on east of railway from water-shed to boundary of reserve at post 3	3 Mo	73·8	396	166	232	229	245	148	201	670	73	55	46	137					—	—	—	—	
			From post 35 on east boundary to main road, thence main road to Namayin chaung, thence up Namayin chaung to ½ between post 5×6	4 Mo	49 5	81	84	162	163	14	21	36	145	2	3	2	9					—				—	
			Post 21 to 40 on east boundary of reserve	5 Mo	19·3	51	67	79	104	12	15	23	89	1	1	7	16		—	—	—	—			•	
			From where the east boundary meets the Nampok chaung up Nampok chaung to west boundary between post 39 and 40 and 2·50 along foot of hill and down Katu road to station guard.	6 Mo	115·0	592	347	371	310	162	137	174	332	52	91	47	78		—	—	—	—	—	—	—	
			West boundary of reserve from Nampok chaung southwards to post 48 thence round foot of hill to post 9, thence along boundary to post 31	7 Mo	55 8	85	64	57	54	62	31	43	89	5	7	3	25		—	—	—	—		—	—	
			From post 9 west boundary at Nanbalaw chaung northwards to post 48 on Nammit chaung	8 Mo	21 0	3	15	28	21	2	4	12	58	1	—	2	25		—	—	—	—		—	—	

| Kachin | Mesa range | Mohoyna | .. | | |

Statement showing Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95—continued.

Forest division	District or forest tract	Name of forest	Locality of survey	No. of survey entered on map	Area in acres counted out.	Teak trees counted out. Sound green teak. I	II	III	IV	Unsound green teak. I	II	III	IV	Girdled teak. Sound	Unsound.	Under 6 feet girth	Teak stumps. Full-sized.	Under-sized	Dead teak trees	Catch. Above 3 feet girth.	Below 1 foot 6 inches or 3 feet girth	Below 1 foot 6 inches girth	Stumps.	Padauk	Name of officer by whom survey was made and remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Katha—*concluded.*		EASTERN CIRCLE—*continued.*																							
			Brought forward ...	...	1085 0	2,631	2,087	3,050	2,739	1,494	996	1,507	3,862	206	289	243	782		...	...	...	...	...	...	...	
		Mohnyin	From mile 232½ due east to Nantin chaung, thence south for quarter mile, thence east, one and a quarter miles, thence south to post 39 on Nampu chaung	31Mo	49·6	15	10	7	6	24	16	19	14	2	2	...	3		...	...	...	...	...	...	...	
			From post 37 on Nampu chaung due west to railway a little south of mile 231	32Mo	24 6	15	7	4	4	21	21	12	22	...	...	...	5		...	...	...	...	...	...	...	
			From railway mile 230 or west boundary of reserve eastward to post 29 on east boundary	33Mo	25·8	6	5	10	6	8	5	43	69	...	2	...	2		...	...	...	...	...	...	...	
			From post 50 at foot of Lwekon hill on west boundary due east to post 11 on east boundary	34Mo	28·0	7	2	1	5	9	10	11	43	...	2	...	12		...	...	...	...	...	...	...	
			From post 3 at foot of Lwekon hill due east to post 9 on east boundary	35Mo	20 8	8	9	4	5	11	13	22	88	...	2	1	23		...	...	...	...	...	...	...	
			From post 4 on east boundary due west to post 1 on west boundary	36Mo	4 8	4	4	5	8	6	6	6	43	...	1	...	11		...	...	...	...	...	...	...	
			Total ...	...	1,239·6	2,686	2,124	3,081	2,773	1,573	1,067	1,620	4,141	208	293	243	838		...	...	...	...	...	...	...	
	Mesa range		Average per acre ...	...	...	2·0	1 7	2 5	2 3	1 2	·8	1 3	3 3	16	·2	·2	...		...	...	...	...	...	...	...	Mr E A. O'Bryen, Officiating Deputy Conservator of Forests.
							8 5				6 6				6										
		Auktaw	From post 27 on the Indaw-Mawtèrk cart-road along south boundary of Auktaw reserve to post No.	1A	33'5	1	11	263	467	1	14	15	343	...	9	49	142		...	...	...	...	...	...	...	
			Total ...	...	33'5	1	11	263	467	1	14	15	343	...	9	49	142		...	...	...	...	...	...	...	
			Average per acre ...	...	...	·03	·3	7 8	14	·03	·42	45	10 23	...	1'4	3	...		...	...	...	...	...	...	...	
							22 13				11 13				1 7										
		Panzit	One fourth square mile block leased to Mr Ascher for gold mining result of countings	1P	120	32	15	...	...	...	...	...	...	17	...	58	197		...	...	...	...	...	...	...	
			Total ...	...	120	32	15		...	...	...	...	...	17	...	58	197		...	...	...	...	...	...	...	
			Average per acre ...	...	...	·26	·12	...	...	...	...	...	...	14	...	·48	...		...	...	...	...	...	...	...	
							·38								·62										

Ruby Mines	Shwell	Kunchaung Reserve.	From Banbwe Sakan on the Kunchaung, north to the Kyaukbyachaung.	44	0	32	25	22	21	48	31	28	69	3	3	1	64	...	...	...	...	...	...	Mr H Jackson, Deputy Conservator of Forests.
			Along the Kyaukbyachaung south-east in the direction of Tumyaung Sakan.	45	25	91	33	7	8	34	19	16	21	5	...	3	7	...	...	...	...	...	...		
			From a feeder of the Kyaukpyuchaung, south to the Kunchaung below Tumyaung Sakan.	46	20	4	4	2	1	8	.	1	6	...	4	...	15	...	...	...	...	...	...		
			From the Kyaukmochaung below Myadaung Sakan, south-south-west in the direction of the Kyaukpyuchaung.	47	53	50	30	33	70	51	19	18	48	1	4	1	20	...	...	...	...	...	...		
			From the Kyaukbyachaung south to Banbwe Sakan.	48	44	87	27	8	23	83	40	16	18	1	2	...	20	...	...		...	...	...		
			Total ...	...	182	264	119	72	123	224	109	79	162	10	13	5	126	...	...	...	...	...	...		
			Average per acre ...	...	...	1 4	·6	·4	7	1 2	6	·4	9	05	·03	07	·7	...	...	...	...	...	...		
						3·1				3·1				·15											
		Kyaiktabo	From Shawbyubin Sakan southwards to the source of the Hwe Seng Pa.	49	27	38	18	17	31	28	12	7	11	9	4	3	55	...	...	...	...	...	...		
			Total ...	...	27	38	18	17	31	28	12	7	11	9	4	3	55	...	...	...	...	...	...		
			Average per acre ...	...	...	1 4	·7	6	1·1	1·0	·4	·2	·4	·3	·1	·1	·2	...	...	...	...	...	...		
						4·0				2				5											
		Nahan Reserve, Kanasotaung	From Kanasotaung westwards along the ridge of Pinchintaung	50	19	18	28	39	52	7	8	30	22	8	11	26	17	...	...	...	...	...	..		
			From Kanasotaung, northwards outside the reserve boundary.	51	15	2	6	14	32	...	3	17	25	...	1	18	34	...	...	...	...	...	..		
			Total ...	...	34	20	34	53	84	7	11	47	47	8	12	44	51	...	...	...	...	...	.		
			Average per acre ...	..	...	·6	1 0	1 5	2 5	2	·3	1 4	1 4	·2	·3	1·3	1·5	...	...	..	...	...	...		
						5·6				3·3				1 8											
		Taungnee Forest, Maingtha Reserve.	South-easterly down a spur of Tinsitaung group 3 miles south of Taungnee village	52	13	29	13	22	25	3	5	6	16	1	...	1	...	...	...	...	...	...	...	6	
		Loiyaung Maingtha Reserve	From the Mohlaing road along the eastern watershed of the Maingtha chaung to Loiyaung village.	53	12	20	15	25	114	8	8	7	98	8	1	9	15	...	...	...	...	...	...		Mr C S Rogers, Extra Assistant Conservator of Forests
		Wantutaung Maingtha Reserve.	From Wantutaung along the eastern watershed of the Maingtha chaung to Maingsintaung.	54	40	36	9	33	·10	18	8	12	81	7	5	2	15	...	...	...	...	...	...		
		Kwemaw Maingtha Reserve.	Along the ridge from near the source of the Maingtha chaung northwards to near Kwemaw village.	55	24	41	14	38	25	14	7	5	8	..	...	..	16	...	...	...	...	...	...		
		Sitton Forest Maingtha Reserve.	Along the eastern road from near Sitton towards Nolon.	56	25	...	...	11	55	3	7	18	79	...	...	1	27	...	...	...	...	..	24		
			Total ...	...	114	126	51	129	329	46	35	48	292	16	6	13	73	...	...	...	...	...	30		
			Average per acre ...	...	...	1·1	4	1·1	3 0	·4	·3	4	2 6	·14	05	·11	6	...	..	...	...	..	26		
						5 6				3 ·				·3											

Statement showing the Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95—continued.

Forest division.	District or forest tract.	Name of forest.	Locality of survey	No. of survey entered on map.	Area in acres counted out.	Teak trees counted out.												Dead teak trees.	Catch.				Padauk.	Name of officer by whom survey was made and remarks.
						Sound green teak.				Unsound green teak.				Girdled teak.			Teak stumps.							
						I	II	III	IV	I	II	III	IV	Sound.	Unsound.	Under 6 feet girth	Full-sized.	Under-sized	Above 3 feet girth	Below 1 foot 6 inches or 3 feet girth	Below 1 foot 6 inches girth.	Stumps.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
			EASTERN CIRCLE—continued.																					
			Brought forward ...	...	...	...	...	...	...	...	...	...	...	...	...	-	...	...	...	...	...	...	...	...	
Ruby Mines—*concluded.*	Sbwebo ...	Pinyok forest outside Nampaw reserve.	From the Simpi-Pinyok road about 1 mile west of Pinyok along the Sepein road.	57	26	12	8	18	133	4	9	28	118	—	4	8	12	...	...	...	...	...	...	...	
		Upper part of Nampaw-chaung outside the Nampaw reserve.	From near the Hapaw Sakan towards Nanwa Ywataung	58	35	7	14	23	27	12	15	10	19	2	3	3	20	...	...	...	...	-	...	1	
			Total ...	...	61	19	22	41	160	16	24	38	137	2	7	11	32	..	...	...	...	...	...	1	
			Average per acre ...	-	...	34	·36	·67	2·62	·26	4	·62	2 2	03	18	11	5	...	...	...	..	..	...	·01	Mr C. S. Rogers, Extra Assistant Conservator of Forests.
								4				3·5				·32									
		Hweiin forest near the Nanwachaung.	Along the ridge between the Hweiin and Nanwa chaungs	59	24	8	7	14	16	9	10	22	13	7	...	4	21	...	...	...	.	...	...	6	
			Total ...	...	24	8	7	14	16	9	10	22	13	7	...	4	21	...	...	...	...	...	...	6	
			Average per acre ...	...	...	·3	·3	6	·7	4	·4	9	5	·3	...	·2	9	...	...	...	...	...	...	·25	
								1·9				2·2				·5									
Mandalay.	Ruby Mines (Madaya).	Ohmôn	Two miles above mouth northward.	a	52	...	1	1	11		1	4	7	...	...	...	3	...	...	...	...	...	...	...	
			Across Thalôn chaung ...	b	28	...	...	2	7	2	1	2	13	...	2	2	3	...	.	...	...	...	...	.	
		Nanaw	Round near source		13	66	18	23	12	43	26	12	16	75	12	6	8	8	...	...	...	...	...	...	...
			Three miles above mouth northward.	c	28	1	4	3	12	2	4	7	22	..	1	2	3	...	...	...	...	...	...	...	...
			Across Nawin chaung ...	d	52	2	3	4	12	2	1	4	17	2	3	2	2	...	...	...	...	...	...	...	...
		Letpet chaung	Round near source north ...	e	80	13	22	13	11	35	37	25	90	8	7	17	6	..	...	...	...	...	...	.	...
			Round near source south ...	f	112	27	23	13	37	23	23	8	126	3	8	6	6	..	...	...	...	...	...	...	...
			Total ...	...	418	55	76	48	133	90	79	66	350	25	27	37	31	...	...	...	...	...	...	...	...
			Average per acre ...	...	...	·13	18	·11	·31	·21	·19	·16	83	·06	·06	·09	·07	...	..	..	..	...	...	·	
								·73				1·39				·21									
	Mandalay (Madaya)	Chaungthapaw	Near source of Chaungthase	g	84	5	7	12	23	16	22	12	53	4	2	7	8	...	...	...	...	...	.	...	
			Across Piekwe and Nyaung chaungs	h	53	...	1	1	12	...	1	3	22	...	1	...	3	...	...	..	...	...	...	...	
			Across Chaungthapawchaung	k	32	13	19	16	14	11	16	16	15	11	3	7	10	...	..	...	...	...	...	...	
			Total ...	...	169	18	27	29	49	27	39	31	90	15	6	14	21	...	...	...	...	...	...	...	
			Average per acre ...	..	...	·10	·16	·17	30	·16	23	·19	·53	·09	03	08	·12	...	...	...	...	.	...	...	
								·7				1·11				·2									

Mandalay	Hsipaw (Madaya).	Kalnggyi	Ongtazu	1	76	...	1	1	2	..	2	4	17	...	2	1	3	...	...	...	...	...	...
				21	31	2	3	4	8	2	4	1	22	...	1	2	8	...	...	...	...	...	...
			Yedagôn	2	26	6	4	16	10	6	4	8	45	6	4	7	18	...	...	...	...	...	...
				19	24	...	...	..		...	...	...	.	...	..	...	...	...	...	...	...	...	...
				20	32	1	...	2	6	...	2	1	17	...		1	3	...	...	...	...	...	...
			Total ...	...	189	9	8	23	36	8	12	14	101	6	7	11	32	...	...	...	...	...	...
			Average per acre ...	...	...	04	04	·12	·19	·04	06	·07	·53	·03	04	·06	·17	...	...	...	...	...	...
						·39				·70				·13									
			Nangatha	3	28	8	9	12	30	9	2	9	64	4	3	6	18	...	...	...	...	...	...
				4	40·4	10	10	12	11	7	4	12	16	2	3	2	10	...	...	...	...	...	...
				5	48·4	11	12	9	22	12	6	21	34	2	4	5	7	...	...	...	...	...	...
				6	24·0	3	9	7	2	5	7	10	12	2	2	1	7	...	...	...	...	...	...
				18	53·6	20	19	19	52	22	21	11	53	10	2	6	16	...	...	...	...	...	...
				19	51·0	2	3	2	6	3	3	2	17	...	1	1	6	...	.	...	...	...	...
			Total ...	...	245·4	54	62	61	123	58	43	66	196	20	15	21	64	...	...	...	...	...	...
			Average per acre ...	...	...	22	·25	·25	·50	·23	·17	·27	·80	·08	·06	·08	·26			...	...	..	...
						1·22				1·47				·22									
			Nangashwe	7	56	4	7	4	18	9	7	14	25	1	1	2	4	...	...	...	...	..	...
			Total ...	...	56	4	7	4	18	9	7	14	25	1	1	2	4	...	...	...	..	...	...
			Average per acre ...	...	...	·07	·13	·07	·32	·16	·12	25	50	01	01	03	07	...	...	...		.	...
						·55				1·03				·05									
			Naga	8	80	7	9	13	9	12	15	3	55	2	2	3	8	...	...	...	...	...	...
				9	48	1	2	3	2	3	5	9	35	..	1	1	4	...	...	...	...	...	...
				10	40	5	8	7	8	7	6	20	48	...	1	1	7	...	...	...	...	..	...
				14	8		3	2	3	...	..	1	16	...	...	...	...	...	...	...	...	...	...
				17	17	2	1	9	36	1	...	8	70	...	...	...	3	...	...	...	...	...	...
			Total ...	...	193	15	23	34	58	23	26	41	224	2	4	5	22	...	...	...	...	...	...
			Average per acre ...	...	...	·08	·12	·18	·30	·12	·13	·21	1·16	01	·02	·02	·11	...	...	...	...	...	...
						·68				1·62				·05									
			Namyit	11	62	6	9	1	11	8	5	26	37	2	1	3	6	...	...	...	...	...	...
				13	24	4	8	6	25	1	4	8	68	1	2	2	9	...	...	...	...	...	...
			Total ...	...	86	10	17	21	36	9	9	34	105	3	3	5	15	...	...	...	...	...	...
			Average per acre ...	...	...	·11	·20	·24	·41	·10	·10	40	1·09	03	·03	·06	17	.	...	...	...	...	...
						96				1·69				·12									
			Kyaukdangale	12	8·4	1	3	3	8	2	3	5	16	..	1	1	5	...	...	...	...	...	...
				13	5·6	...	2	1	4	...	1	3	8	...	1	1	4	...	...	...	...	...	...
				14	48·0	6	8	16	31	4	6	10	63	1	2	1	9	...	...	..	...	...	...
			Total ...	...	62·0	7	13	20	43	6	10	18	87	1	4	3	18	...	...	...	...	...	...
			Average per acre ...	...	...	11	·21	32	70	·10	16	·29	1·40	01	·06	·05	·29	...	...	..	...	...	...
						1·34				1·95				·12									
Pyinmana.	Sinthe ...	Sinthe	.....	1	18·5	..	4	16	68	...	...	13	69	...	52	2	34	...	1	110	...	151	...
			.....	2	20·1	...	2	13	139	...	3	4	100	...	26	4	37	...	...	47	...	138	...
			.....	3	11·7	1	2	7	64	...	1	3	95	1	11	10	68	...	...	17	...	9	...
			.....	4	17·2	6	15	23	141	4	1	5	128	2	21	24	54	...	...	11	...	11	...
			.....	5	15·2	3	24	31	59	3	...	12	86	3	78	16	64	...	1	24	...	28	...
			.....	6	27·8	4	11	22	31	1	3	4	27		30	7	74	...	...	84	...	239	...
			.....	7	14·5	3	...	5	11	...	...	2	12	...	4	5	15	...	...	93	...	124	..
			.....	8	4·2	...	...	3	3	1	...	...	2	...	6	1	3	...	...	21	...	51	..
			.....	9	8·6	...	..	..	23	...	...	1	8	...	...	1	23	...	...	262	...	100	...
			Carried over ...	...	137·8	17	58	120	539	9	8	44	528	6	228	70	372	...	2	669	...	851	...

Mr. J Copeland, Deputy Conservator of Forests.

Mr S Carr, Assistant Conservator of Forests.

Statement showing Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95—continued

Forest division	District or forest tract.	Name of forest	Locality of survey	No of survey entered on map	Teak trees counted out: Area in acres counted out	Sound green teak: I	II	III	IV	Unsound green teak: I	II	III	IV	Girdled teak: Young	Unsound	Under 6 feet girth	Teak stumps: Full sized	Under sized	Catch: Dead teak trees	Above 3 feet girth	Below 1 foot 6 inch ea ner 3 feet girth	Below 1 foot 6 inch en girth	Stumps	Paddauk	Name of officer by whom survey was made and remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
			EASTERN CIRCLE—concluded																						
			Brought forward ...		137 8	17	58	120	539	9	8	44	528	6	228	70	372		—	2	669	—	851	—	
			"	10	3 1	3	2	3	3	1	1	4	3	—	5	1	7		—	—	57	—	14	—	Mr C E Muriel Deputy Conservator of Forests.
			"	11	6 1	2	1	7	17		2	9	10	—	15	1	30				13	—	6		Mr S Carr, Assistant Conservator of Forests
			"	12	1	10	29	147	10	2	5	83	6	6	63	26			—		20	—	36		
Pyinmana	Sinthe ...	Sinthe ...	"	13	2 3	1	5	21	62	7	9	13	31	3	46	16	62			—	45	—	53	—	Mr C E. Muriel, Deputy Conservator of Forests.
			"	14	10 7	3	6	29	188	6	4	4	21	2	2	3	41		—	—	—		1		
			"	15	8 6	1	6	22	65	3	6	4	10	1	7	5	21		—	—					
			"	16	17 2	3	5	24	132	9	5	8	102	4	4	2	41		—		2	—	3		
			"	17	38 1	3	1	25	84	12	5	9	76	4	41	9	98		—	—	26		68	—	Mr S Carr Assistant Conservator of Forests
			"	18	14 9	4	8	10	24	—	—	3	15	—	13	5	28		—	1	26		126		
			"	19	10 8		1	—			—	—	—	—	—	—	1		—	—	133		162		
			Total ...	—	262 7	47	128	498	1 170	49	45	181	792	26	454	138	701		—	3	985	—	1,320	1	
			Average per acre ...	—		18	48	1 35	4 46	18	17	69	3 02	09	1 73	52	2 67			01	3 76		5 04	—	
						6·67				4				2 34											
			North of Koko hills and east of Namlang chaung	1	17 8	6	30	63	114	1	1	7	69	4	6	8	24		—	—	—		—		Maung Po Hlaing, girdling gaung.
		Koko ...	South of No 1 survey	2	4 8		3	4	11	—	—	—	3		—	—	1		—	—		—	—	—	
			On foot path from Koko to Namlang	3	6 4	1	1	13	79		—	—	45		5	1	2				—	—	—	—	
			On hill to east of the village of Hpakun	4	7 3	1	2	22	201		—		100	—	3	1	11		—		—	—			Mr H B Anthony Deputy Conservator of Forests. Maung Seik Ta
	Mōegkōng	Hpakun ...	Along left bank of Namkwan	5	6 8	—	2	6	69	—		2	66	—	1		21			—		—	—		
			Along right bank of Namut from Hpakun pōngyi kyaung to the village of Boontham	6	9 6	2	2	3	32	1	1	2	50	—		—	37								
		Maingmon	On road near village of Maingmon	7	2 7	1	4	2	74			2	73		—	—	8		—		—	—	—		M H B Anthony Deputy Conservator of Forests
		Namawpen ...	Along road running up a gorge on the way to Namawpen	8	6 8	3	1	4	103	1	5	1	73	—		—	27		—	—	—	—			
			Total ...	—	59 2	14	54	117	682	3	6	14	479	4	15	10	131					—	—		
			Average per acre ...	—		23	·91	1 97	11 52	00	·01	23	8·09	00	25	·01	2 21		—			—			
						14·63				8·33				26											

Southern Shan States.	Hsahtung...	Taunggaw ...	South of Thabet chaung on road to Taunggaw.	9	25·2	4	10	34	147	7	8	10	72	1	3	1	...	...	...	...	...	...	...	Maung Po Hlaing, girding gaung
			East of survey No. 9 ...	10	12·4	1	2	2	57	..	...		26	...	...	...	29	..	...	...	..	...	...	Mr. H. B. Anthony, Deputy Conservator of Forests.
			Total ...	..	37·6	5	12	36	204	7	8	10	98	1	3	1	29	.	...	...	...	...	...	
			Average per acre ...	...	...	01	·03	·09	5·42	01	·02	·02	2·60	·00	·00	00	·77	...	...	...		...	...	
						5·55				2·65				00											
	Mawkmai	Hwepasu ...	Along the left bank of the Hwepasu	11	5·2	1	..	23	62	1	..	...	43	...		-	6	...	...	...		..	...	Maung Seik Ta, Clerk.
			Along right bank of Hwepasu	12	8·2	4	.	10	203	...	..	...	68	3	2	...	27		...	...	...	...	...	Maung Po Hlaing, girding gaung.
			Along road from Naun to Hwepasu.	13	35·2	5	...	15	228	6	..	1	158	3	9	1	103	..	...	...	.	...	...	
		Nampan ...	On Nampan chaung 14 miles east of the Zayat.	14	12·8	2	11	43	114	4	4	13	125	2	4	...	53	.	...	...	...	...	...	Maung Seik Ta, Clerk.
		Lonmapai ...	Along the Lonmapai stream...	31	40·0	4	5	33	110	3	3	4	12	2	2	...	...	...	...	..	...	...	...	Maung Pan Bôn, girding gaung.
			Total ...	...	101·4	16	16	124	717	14	7	18	406	10	19	1	199	...	..	...	...	...	...	
			Average per acre ...	...	...	·15	·15	1·22	7 07	·13	·06	·17	4	·09	·18	·00	1·96	...	...	...	...	...	...	
						8·59				4·36				·27											
	Mongnai ...	Kengtung ...	Along road from Pale Oakeng-taung.	15	25 2	...	2	42	155	...	2	8	14	...	3	...	21	...	...	...	...	...	...	Maung Pan Bôn.
			Along road from Hwun to Wankong	16	9	...	1	6	33	.	1	1	...	2	7	3	22	...		...	...	...	...	
			Along road from Nammagyi to Namphak.	17	93 2	22	19	41	206	3	5	11	30	59	6	3	105	...	...	...	...	...	...	
			Total ...	...	127·4	22	22	89	394	3	8	20	44	61	16	6	148	...	...	...	...	...		
			Average per acre ...	...	...	·17	·17	·69	3·09	·02	·06	·15	·34	·47	·12	·04	1·16	...	..	...	...	...	...	
						4·12				·57				·63											
	Mongpan	Mehang ...	Along the Pyenwan San stream.	18	5·2	32	2	...	14	8	4	...	14	15	1	5	7	...	...	...	...	...	...	Maung Pô Hlaing.
		Me-aung Lon ...	East of Mehang stream ...	19	16·2	141	35	45	356	51	39	39	167	63	...	31	109	...	...	...	...	...	...	
			From Pongpachin to Mehaungbin.	20	52·0	356	111	107	779	229	141	156	284	310	70	95	185	...	...	...	..		...	
		Mehong ...	West of the Mehong stream ..	21	4·0	23	5	...	57	78	6	4	25	10	3	1	26	...	...	...	...	...	...	
		Mesatong ...	Along the Mesola ...	22	10·4	42	38	30	105	18	18	7	25	6	8	19	82	...	...	...	...	...		
		Hwesine and Ngetpyawdaw.	Along the Hwesine and Ngetpyawdaw chaung.	23 & 24	8·6	9	9	9	52	7	...	6	33	...	9	2	39	...	...	...	...	...	...	
		Yelaing ..	Along the Yelaing chaung ...	25	8·0	1	4	9	173	3	...	6	43	...	3	1	85	...	...	...	...	...	...	
		Namlong and Hwelok.	Along the Namlang and Hwelôk	26 & 27	10 8	17	13	52	221	8	19	29	116	23	49	40	144	...	...	...	...	...	...	
		Hweun ...	Along the Hweun ...	28	9·2	6	28	27	71	10	4	32	54	8	12	6	41		...	...	...	...	...	
		Longcho and Hwelwengout.	Along the Hwe Tow ...	29 & 30	12·4	23	13	30	102	14	11	14	48	4	18	18	. 47	..	...	...	...	...	...	
			Total ...	...	136·8	650	258	299	1,030	426	242	273	809	439	173	218	765	...	.	...		...	...	
			Average per acre ...	...	...	4·75	1 81	2·18	14·10	3·11	1 77	1·99	5·91	3·20	1 26	1·59	5·59	...	...	...	...	...	...	
						22·84				12·78				6·05											

Statement showing Summary of Valuation Surveys in the Eastern and Western Circles for the year 1894-95—concluded.

Forest division	District or forest tract	Name of forest.	Locality of survey.	No. of survey entered on map	Area of survey in acres	Teak trees counted out.												Catch.					Padauk		Name of officer by whom survey was made and remarks.
						Sound green teak.				Unsound green teak.				Girdled teak.		Teak stumps.									
						I	II	III	IV	I	II	III	IV	Girdled by Government.	Girdled before annexation.	Full-sized.	Under-sized.	Full-sized.	Under-sized.	Dead teak trees.	Above 3 feet girth	One foot 6 inches to 3 feet girth.	Below 1 foot 6 inches girth	Stumps.	Dead.	Above 3 feet.	Below 3 feet
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
			WESTERN CIRCLE																									
Upper Chindwin	Upper Chindwin	Namawleik	Namawleik	1	26·0	9	5	9	10	3	...	...	3	...	...	...	...	...	...	1	-	...	...	-	...	...	...	Mr C W A Bruce, Assistant Conservator of Forests.
		Wesalaung	Wesalaung chaung on ridge near mouth.	2	16·0	15		121	...	2	...	...	...	...	...	-	...	...	...	...	...	...	...	...	...	...	Mr A M Burn-Murdoch, Assistant Conservator of Forests.
			North feeder of Wesalaung chaung	3	62·0	147	157	135	246	...	...	...	...	...	...	20	...	25	...	...	...	...	...	...	...	...	
		Namawleik	Near Chingin chaung	4	40·0	26	9	5	7	7	2	1	1	...	...	...	...	6	...	11	...	...	...	...	...	...	Mr C. W. A. Bruce, Assistant Conservator of Forests.
			Total	...	144·0	197	171	270	263	12	2	1	3	...	...	20	...	31		12	...	...	...	...	...	...	...	
			Average per acre	...	...	1·37	1·19	1·87	1·82	0·08	0·02	...	0·02	...	...	0·14	...	0·21	...	0·8	...	...	...	...	...	...	...	
							6·25				0·12																	
		Yenge	Along the lower reaches of Yenge chaung on both banks	IV	42	34	29	31	27	13	7	...	...	12	...	-	15	...	...	-	...	...	...	...	...	-	...	
		Napha	On the south watershed of the Napha chaung.	I	64	74	43	39	35	22	10	...	...	25	12	...	2	...	...	...	...	...	...	...	...	...	...	
			On the north watershed of the Napha chaung.	II	80	118	78	55	21	10	7	...	...	66	...	...	15	...	...	8	...	...	...	...	...	...	...	
		Mèzali	On the hills on left bank of Mèzali chaung.	I	32	27	164	14	9	2	...	...	...	6	...	...	2	...	...	...	...	...	...	...	...	...	...	
			On the right bank of Mèzali chaung	II	64	55	95	95	...	3	10	...	...	11	...	...	20		...	...	...	...	...	...	...	...	...	
		Pahauk	On the watershed between Pahauk and Sinywa	I	48	31	55	40	24	5	10	...	...	3	20	...	...		...	...	...	...	...	...	...	...	...	
			On the watershed between Pahauk and Mezali.	II	60	37	54	45	30	6	9	2	...	12	9		7	...	...	...	...	...	...	...	...	...	...	
		Sinywa	On the watershed between Sinywa and Pahauk chaung	I	64	47	39	37	29	3	5	...		16	...	...	8	...	...	...	...	...	...	...	...	...	...	
		Tin	At sources of the Tin chaung	I	48	64	33	47	27	13	8	2	...	34	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Indaung	On ridge connecting Indaung with Kesagok	II	64	97	43	48	27	21	9	2	...	63	29	...	6	...	...	...	...	...	...	...	...	...	...	...	
			Total	...	566	586	633	451	238	98	75	6	...	248	70	...	75	...	...	8	...	...	...	...	...	...	...	Mr. H. N. Thomson, Assistant Conservator of Forests.
			Average per acre	...	...	1·03	1·12	0·80	0·42	0·17	0·13	0·01	...	0·44	0·12	...	0·13	...	...	0·01	...	...	...	...	...	...	...	
							3·4				·31				·6													
		Sinywa and Pahauk.	On the watershed between Pahauk and Sinywa.	I a. P.	48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75	97	200	...	...	...	...	
		Mauktank	On slope of Mauktank hill	III a. P.	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39	39	56	36	150	...	...	
			To the east of No. III	IV a. P.	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	23	38	21	80	...	...	
			To south of catch camp, 1895	V a. P.	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	17	13	7	...	...	...	
		Mèzali	Watershed between Pahauk and Mèzali.	II a. P.	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	87	95	43	...	...	...	...	

| | | |

APPENDIX D.

Statement showing Teak Trees girdled in the Eastern and Western Circles for the year 1894-95.

Division.	Girdling Officer.	Revising Officer.	Range.	Forest district.	Locality.	Number of teak trees.	Remarks.
1	2	3	4	5	6	7	8
			EASTERN CIRCLE.				
Katha ...	Mr. E. A. O'Bryen, Deputy Conservator of Forests.	.....	Mesa ...	Katha ...	Panzit	702	
			WESTERN CIRCLE.				
Lower Chindwin.	Mr. H. N. Thompson, Assistant Conservator of Forests.	Mr. H. N. Thompson, Assistant Conservator of Forests, Mingin Subdivision.	.....	Mingin subdivision.	Yèngè chaung	180	
					Napha chaung (left bank ...	333	
					Napha chaung (right bank ...	462	
					Yèbyauk chaung	60	
					Mèzali chaung	80	
					Pahauk chaung	129	
					Sinywa chaung	99	
					Tan chaung (right bank ...	69	
					Tan chaung (left bank ...	143	
					Total ...	1,425	
Yaw ...	Mr. C. L. Toussaint, Deputy Conservator of Forests.	Mr. C. L. Toussaint, Deputy Conservator of Forests, Yaw Division.	Pauk ...	Pakôkku ...	Kyi chaung (Mlè	350	
					Kyi chaung (Peinnè ...	210	
					Kyi chaung (Kwè	65	
					Te chaung	57	
					Total ...	682	
					Total Western Circle ...	2,107	
					Grand Total Upper Burma ...	2,809	

REMARKS BY CIVIL OFFICERS.

Endorsement by J. E BRIDGES, Esq., Commissioner of the Northern Division, on the Report on Forest Administration in the Bhamo Division for the Forest year 1894-95,—No. 591-24, dated the 25th September 1895

ANNUAL FOREST REPORT of the Bhamo District forwarded to the Conservator of Forests, Eastern Circle, Mandalay.

Many of the questions raised in this report, such as the reservation of forests round Indawgyi lake on the Namyin stream (Katha) and at Si-u, have been recently discussed in separate correspondence and require no remark here.

I have sent the Deputy Commissioner, Myitkyina, copy of the Deputy Conservator's remarks regarding India-rubber and asked him to instruct the Civil Officers with the Sana column to make inquiries regarding the production of India-rubber in the Sana tract and the alleged export of India-rubber from the Hukong valley through this tract to China.

From H. P. TODD-NAYLOR, Esq., C.I.E., Deputy Commissioner, Bhamo, to the Commissioner of the Northern Division,—No. 1893-14, dated the 10th September 1895

IN continuation of my Forest Department No. 1883-14, dated the 26th August 1895, I have the honour to forward the Forest Report A copy has gone to the Deputy Commissioner, Myitkyina.

Endorsement by J. E. BRIDGES, Esq., Commissioner of the Northern Division, on the Report of the Katha Division,—No. 274-24, dated the 12th August 1895.

FORWARDED.

Endorsement by C. A SOPPITT, Esq., Deputy Commissioner, Katha, on the Report of the Katha Division, —No. 3685-18, dated the 3rd August 1895

READ and forwarded. There are no points calling for remarks from me.

Endorsement by J. E BRIDGES, Esq., Commissioner of the Northern Division, on the Annual Report of the Ruby Mines Division,—No. 370-24, dated the 14th August 1895.

FORWARDED.

Endorsement by C E DANIELL, Esq., Deputy Commissioner, Mogôk, on the Annual Report of the Ruby Mines Division,—No. 1252-1R —E., dated the 8th August 1895

I HAVE no remarks to make.

Extract from Mandalay Divisional Forest Report with Commissioner's and Deputy Commissioner's marginal remarks.

* * *

23 It was intended to build a Ranger's quarters and office at Madaya, 22 teak logs being bought for the purpose at a cost of Rs. 23-8-0, but owing to the formalities prescribed in the new Government circular regarding the acquisition of sites for Government buildings endeavours to procure a site for the building were unsuccessful.

THE site has been acquired and the payment awaits adjustment with the Forest Department.

H A. BROWNING, *Capt.*,
Deputy Commissioner, Mandalay.

* * *

27. There was one case pending from last year. The number of new cases against the Forest Law reported was 93 as compared with 59 in the previous year The increase is more apparent than real Under instruction from the Commissioner, Eastern Division, each person conterned in a case of illicit cutch boiling in the Meiktila and Kyaukse district is now separately charged instead of all being included in one charge

There seems to be some mistake here and the reform may have gone too far. Last year persons belonging to distinct cutch camps were erroneously joined together in the same case at any rate the provisions of the Code of Criminal Procedure upon this point are quite clear.

* * *

29 Sixty-five cases, involving 103 persons, were taken before the Courts, convictions being obtained in 47 and 61 persons punished, and 17 resulting in acquittals. There were 10 cases pending at the close of the year, of which in one an offer had been made to compound the offence.

The number pending seems unduly large.

From Captain L. E. ELIOTT, Superintendent of the Northern Shan States, to the Conservator of Forests, Eastern Circle,—No 830-55, dated the 26th August 1895.

I HAVE the honour to forward herewith the Report on Forest Administration in the Mandalay district for the year 1894-95, received from the Deputy Conservator of Forests, Mandalay Division.

Endorsement by H. ADAMSON, Esq., Officiating Commissioner of the Central Division, on the Forest Administration Report of the Mu Division,—No. 247-23F., dated the 19th August 1895.

COPY of the following with Deputy Commissioner, Shwebo's note and report (in original) forwarded to the Conservator of Forests, Eastern Circle.

From G. G. COLLINS, Esq., Officiating Deputy Commissioner, Shwebo, to the Deputy Commissioner, Sagaing,—No. 2473, dated the 14th August 1895.

I HAVE the honour to forward the Annual Forest Report for 1894-95, received from the Deputy Conservator of Forests, Mu Division, and to ask that it may be submitted to the Commissioner, Central Division, when done with.

Endorsement by W. H. A. ST. J. LEEDS, Esq., Deputy Commissioner, Sagaing,—No. 1804-F.F.F., dated the 16th August 1895.

FORWARDED.

Note by G. G. COLLINS, Esq., Deputy Commissioner, Shwebo, on the Forest Annual Report of the Mu Division.

AS the report is a divisional one and I am in camp it is a little difficult to pick out details regarding Shwebo forests from the remarks and figures given.

The total area of reserved forests in Shwebo district is 340 square miles.

Among the new reserves still incomplete the Forest and Settlement Officers have dealt liberally with the people and 42 square miles were excluded owing to private claims.

One proposed reserve, namely, Methe, has been abandoned.

A few appeals presented against the Forest Settlement Officer's decision are pending and the claims will probably be recognized as valid.

The large number of claims to private rights in forest areas which arose from the demand for and high price of cutch, have been decided against the claimants, cutch extraction having been suspended while the cases were pending.

Grazing areas appear extensive and sufficient.

Advertisements offering liberal terms to persons willing to undertake keddah operations have issued and an application has already been received. A separate report with proposed terms of leasing areas running contiguous with township boundaries and with conditions of lease has been submitted for approval.

Any operations undertaken should be under the control of the Divisional Forest Officer.

The number of Forest cases have been very few and there have been few or no complaints against the rules beyond the claims to cutch areas, which were extravagant.

Endorsement by C. A. SOPPITT, Esq., Deputy Commissioner, Katha Division, on the Annual Report of the Mu Forest Division for the year 1894-95,—No. 3994-18 (Forest Department), dated the 2nd September 1895.

THERE is nothing in this report calling for remarks from me. The greater portion of it refers to Shwebo.

Endorsement by J. E. BRIDGES, Esq., Commissioner of the Northern Division, on the Annual Report of the Mu Forest Division for the year 1894-95,—No. 214-24 (Forest Department), dated the 2nd September 1895.

FORWARDED to the Commissioner, Central Division, for favour of necessary transmission.

Endorsement by Lieutenant-Colonel F. D. RAIKES, C.I.E., on the Annual Report of the Mu Forest Division for the year 1894-95,—No. 390-23F., dated the 27th September 1895.

FORWARDED to the Conservator of Forests, Eastern Division, in continuation of my No. 247-23F., dated the 19th August 1895.

Note on the Divisional Forest Report by G. G. COLLINS, Esq., Deputy Commissioner, Shwebo.

As far as it has come to my notice the people of the district have sufficient concessions in forests for their private wants.

Owing to the high price cutch has attained in the market numerous claims were put in to large areas of forests within which the claimants urged they held unrestricted rights to levy fees and extract timber, &c.

These claims have now all been settled and decided against the claimants, who had clearly never exercised continuous rights.

It will be noticed that cutch licenses have risen to the large value of Rs. 200 per license and the extraction of this commodity will no doubt be monopolized by the Chinese community.

From the note on fires considerable damage appears to have been done. It would have been interesting to have had the extent of this recorded approximately.

A considerable area in Shwebo district has come under forest settlement this year. There were a few appeals against the Forest Settlement Officer's order. These have been re-considered and the grievances put forward have been met liberally by the exclusion of the areas from the proposed reserves.

Endorsement by D NORTON, Esq., Commissioner of the Eastern Division, on the Annual Report of the Pyinmana Division,—No. 3661-5F—3, dated the 20th August 1895.

FORWARDED. Forest administration has been carried on smoothly and successfully during the year of report.

From Lieutenant-Colonel W. F. H. GREY, Deputy Commissioner, Yamèthin, to the Commissioner of the Eastern Division,—No. 2558-2F.—3, dated the 15th August 1895.

I HAVE the honour to forward herewith the annual report on forest work in the Pyinmana Forest division for the forest year ending 30th June 1895, together with the statements accompanying it.

2. The working of the year has been highly successful, the amount of timber extracted and of revenue realized being, I believe, the largest on record for this division.

This is largely due to the increased exertions of the Bombay-Burma Trading Corporation, Limited, whose present lease is drawing near its termination

3. Mr. Muriel and his assistant, Mr. Carr, have done great deal of hard work during the year and with very satisfactory results. Mr. Lane-Ryan's and the other officer's work did not come under my personal observation.

Remarks by D. NORTON, Esq., Commissioner of the Eastern Division.

BOTH villages and houses are looking less poverty stricken than last year, but there is still much room for improvement.

The year was a good one for cultivation, it is in years of light rainfall that cutch questions give most trouble.

Extracts from the Annual Report of the Pyinmana Division, for 1894-95.

* * *

29. Fellings regulated by licenses were very considerable. Trees of unreserved kinds, chiefly pyinkado, thitya, ingyin, pyinma, and In were freely felled for house-building. The people are building a much better class of house now than they did formerly and many villages in the Pyinmana subdivision have a very prosperous and satisfactory appearance. I believe the same is true in the Yamèthin subdivision also, but I have not had an opportunity of judging these from personal observations. The number of sawpit licenses issued to persons to saw up timber for private use in the Yamèthin subdivision was very great and this points to a considerable extraction of timber for domestic purposes.

* * *

The Chief Commissioner's Forest Department Circulars Nos. 54 and 100 of 1894 were directed towards the better protection of cutch trees. The latter circular had a very great influence over cutch-boiling in Yamèthin subdivision. The thugyis do not appear to have reported any cutch camps as no such reports reached the Divisional Forest Officer, but I understand that when the circular reached thugyis they in many cases stopped the manufacture of cutch.

* * *

Endorsement by A H HILDEBRAND, Esq, CIE, Superintendent and Political Officer, Southern Shan States, dated the 14th August 1895, on the Report on Forest Administration in the Southern Shan States for the forest year 1894 95

FORWARDED

Endorsement by Lieutenant D J C MACNABB, Deputy Commissioner, Upper Chindwin, on the Upper Chindwin Divisional Report,—No 1642, dated the 3rd August 1895

FORWARDED to the Commissioner, Central Division, with marginal notes.

Endorsement by H ADAMSON, Esq, Commissioner of the Central Division, on the Upper Chindwin Divisional Report,—No 302 20F, dated the 20th August 1895

FORWARDED to the Conservator of Forests, Western Circle, with marginal notes.

Extracts from the Upper Chindwin Divisional Report, with Commissioner's and Deputy Commissioner's marginal remarks

* * *

Compensation to ya-cutters has also been recommended, contrary to the advice of the Forest Officer present

* * *

Maung San practically deliberately cheated Government of Rs 600, which is estimated as amount of duty due to Government on the 150 logs sold, and taking the offence in this light it seems to me a heavy penalty should have been imposed If help is not accorded to Forest Officers in putting down such offences as this the only alternative will be to stop local trading in teak

* * *

As to the assertion that Forest Officers annoy needlessly the villagers with petty accusations, reference to Form 52 will show that only five cases have been sent into Court during the year, three of which were convictions, two of which are pending

* * *

The licensee last year went up to Kanti and bought rubber and on his way down to Kindat the Chins dacoited and robbed him of 500 viss odd. This was a heavy loss and, as nothing was done to give him compensation or redress, this has, I am sure, detained him from again taking a rubber license

There are grounds for believing that the Kanti Sawbwa is taking duty on forest produce this year, which passes out of his State Mr Allan has submitted a report on this matter, a copy of which has been forwarded to the Conservator, Western Circle, and Deputy Commissioner, Upper Chindwin district

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I THINK in this case the Forest Settlement Officer was justified in giving compensation The ya-cutters had every opportunity at hand for taking to permanent cultivation and merely wanted a little money to buy cattle

H ADAMSON,
Commr, Central Division

IT appears that Commissioner has sent this case up to the Judicial Commissioner It sometimes happens that forest cases suffer from not being properly prosecuted The Forest Department should press for exemplary punishments when, from their point of view, it is needed

D J C MACNABB, *Lieut*,
Dy. Commr., Upper Chindwin

CASE since discharged Application has been made to local Government to appeal

F B DICKINSON,
Conservator of Forests

IT does not appear what the assertion referred to is

D J C MACNABB, *Lieut*,
Dy Commr, Upper Chindwin

IT refers to remarks made by Mr Porter on last year's report, I think

F. B DICKINSON,
Conservator of Forests

THIS occurred beyond our territory, *i e*, above the falls, where there are numerous petty Thempaw Chiefs, who are not even under our control.

D J C MACNABB, *Lieut*,
Dy Commr., Upper Chindwin.

THE report was vague It did not appear whether transit dues or export dues are complained of The former have been disallowed, the later has not as yet come into prominence and, until it is referred, I cannot express an opinion on it Perhaps in other districts the question has been brought up and orders passed, which would form a valuable precedent.

D J C MACNABB, *Lieut.*,
Dy Commr, Upper Chindwin

THERE does not appear to be much difference between transit dues and export dues.

The papers have not yet reached me.

H. ADAMSON,
Commr., Central Division.

THIS is an important matter. I have already referred to the Commissioner. I am informed that Babu Brojnath Banerji has brought a case against the Chindwin licenseholder in Rangoon. The Forest Department would, I think, do well to argue the case. I cannot see how a Manipur monopoly can effect rubber sold in Burma, even if collected in Manipur, unless the export be prohibited and insomuch as we do not allow the Thaungdut Sawbwa to levy dues on tea seed exported from the Chindwin into Manipur. I would be inclined to dispute their right to prohibit the export of rubber into Burma if supposing such a prohibition exists. It simply means that the Manipur monopoly holder will not pay the price obtainable in Burma and the difference, which must mean a handsome profit, goes into his pocket instead of that of Government or the Manipur Durbar.

D. J. C. MACNABB, *Lieut.*,
Dy. Commr., Upper Chindwin.

SEE paragraph 76 of report.

F. B. DICKINSON,
Conservator of Forests.

THERE is a third cause, namely, that a trader brought rubber from Manipur, and on arrival in Kindat the Divisional Officer was requested to stop it here by the Political Agent, Manipur, on the grounds that he had given a monopoly of the rubber trade in Manipur to a certain Babu Brojnath Banerji and that our licensee had not bought his rubber from Babu Banerji. The following is an abstract of Mr Bruce's letter No. 111-6F., dated the 22nd May 1895, to the Deputy Commissioner, Upper Chindwin District, after he had questioned both Babu Banerji and Maung Tha Dun Kyaw.

It appears that Maung Tha Dun Kya took out a license to buy rubber and he bought the rubber in Tinzin village in Burma from Chins. Babu Banerji does not deny this, but only states that Maung Tha Dun Kyaw made false representations to the Chins to induce them to bring and sell the rubber to Maung Tha Dun Kyaw at Tinzin. Maung Tha Dun Kyaw has in no way infringed the Upper Burma Forest Regulation. I do not think it just to cause him certain loss from demurrage by keeping the rubber here. I am no lawyer, but fail to see how the case is one of theft or that the property was stolen.

2. It is even doubtful that all the rubber came from Manipur. However, let that pass. I think Major Maxwell can only prosecute the Manipuris under his own jurisdiction who sold the rubber for taking their own rubber out of Manipur and selling it to whomsoever they wished to. I cannot say I understand, as I said before, the Manipur Forest Rules, but I do understand those of Burma, and I would beg to record that it is only at your request I detain this rubber, as I think our action will be detrimental to the interests of the Burma revenue, as well as to trade generally, leaving all ideas of justice out of the question

You will notice that Maung Tha Dun Kyaw mentions rubber being found on the Fort White side of the Chin Hills. I think that this is worth enquiring into further; and as I hear that a Forest Officer is now on special duty in the Chin Hills, might I ask you to forward a copy of this letter with any remarks you would wish to make to the Conservator of Forests, Western Circle, Upper Burma?

Note.—The rubber was shortly afterwards released after the Commissioner, Deputy Commissioner, and Divisional Forest Officer had consulted about it. The above letter is inserted by me because Mr. Bruce, now on leave, had expressed his ideas very clearly

in it and knew more of the subject than I, as I was absent when the rubber was delayed and never saw the licensees myself.

A. M. BURN-MURDOCH,
Assistant Conservator of Forests.

Remarks by C. A. SOPPITT, Esq., Deputy Commissioner, Katha, on the Annual Report of the Upper Chindwin Forest Division for 1894-95,—No. 3834-18, dated the 15th August 1895.

NOT much of this report refers to Katha and there is, therefore, little for me to say. I am quite at one with Mr. Burn-Murdoch in what he says about experimental gardens. He refers to Kindat, but the remark applies generally. I think it a great pity that a small sum is not set aside each year for an experimental garden at or near the headquarters of the Forest Officers. Many fruits and vegetables could be grown. In some parts of this district oranges flourish. In an experimental garden several new kinds could be tried with beneficial results. A small patch of tea could be put down. The climate is in every way suitable and some few plantations do exist at present, but the plant could be more generally introduced if a little trouble was taken.

Plantains of all kinds could be introduced and young plants and shoots distributed at a low cost.

Note by F. B. Dickinson, Esq., Conservator of Forests, Western Circle.
Personally I am of opinion that the Forest Officer is not the man to start experimental gardens. He is so much out in camp that he cannot give it the necessary care and attention. The Forest Officer should of course be always willing to give his aid and advice when in the station, but the officer who has the direct charge and management should be one whose duties keep him at headquarters.

Endorsement by J. E. BRIDGES, Esq., Commissioner of the Northern Division, on the Annual Report of the Upper Chindwin Forest Division for 1894-95,—No. 600-24, dated the 21st August 1895.

FORWARDED.

Remarks by Lieutenant D. J. C MACNABB, Deputy Commissioner, Upper Chindwin, on the Annual Report of the Lower Chindwin Forest Division for 1894-95,—No. 1796-8T. (Forests), dated the 30th August 1895.

I CONCUR with the remarks of the Deputy Conservator regarding the inadequacy of the present forest establishment to properly control the enormous area under their charge. In justice to the department and in the interests of Government the area of the charges should, I think, be reduced by subdividing them and creating new subdivisions and entertaining additional officers to take charge of them.

Remarks by Captain N. C. PERKINS, Deputy Commissioner, Lower Chindwin, on the Annual Report of the Lower Chindwin Forest Division for 1894-95,—dated the 17th August 1895.

THE proceedings regarding the Sindôn reserve have been forwarded to the Commissioner, Central Division.

2. I agree with the view taken by the Deputy Conservator of the present and future of cutch on bobabaing lands.

3. It is as Mr Thompson urges a matter for regret that the Forest staff is still so weak, seeing the extent and value of the forests concerned.

Forwarded to the Deputy Commissioner, Upper Chindwin.

Remarks by H. ADAMSON, Esq., Commissioner of the Central Division, on the Annual Report of the Lower Chindwin Division for 1894-95,—No. 167-20F., dated the 12th September 1895.

I AM afraid it is beyond doubt that a great deal of the so-called bobabaing cutch exported from the Lower Chindwin district is cut on land at the disposal of Government.

I have been for long convinced that the only way in which cutch can be preserved is by declaring the cooking of it illegal except under license and, if there is no law by which this can be done it would be well to legislate on the point before the damage done is irretrievable.

The inadequacy of the Forest staff in Mingin subdivision is deserving of attention.

I AGREE with Mr. Adamson.
F. B. DICKINSON,
Conservator of Forests.

The proceedings are in my office, but are unintelligible without the map which the Deputy Commissioner, Kindat, has forgotten to send. I have wired for it.

H. ADAMSON,
Commr., Central Division.

Extract from Lower Chindwin Divisional Report with Commissioner's marginal remarks.

* * *

Lieutenant Obbard, Subdivisional Officer of the Kalè-Kabaw subdivision, was appointed as Forest Settlement Officer in Notification No. 478, dated the 30th November 1893, to make the necessary enquiries concerning the Bôn reserve.

The enquiries were made by him before the close of the last forest year, but some delay seems to have occurred and the reserve has not yet been finally notified.

Endorsement by Lieutenant-Colonel C H. E. ADAMSON, C.I.E., Commissioner of the Southern Division, on the Annual Report of the Yaw Forest Division for 1894-95,—No. 4332-37F., dated the 22nd August 1895.

FORWARDED to the Conservator of Forests, Western Circle, Mandalay, together with the Deputy Commissioner's remarks in original. The remarks regarding cutch have already been made on the forest report from the Deputy Commissioner, forwarded with my Revenue Department No. 3984-37F., dated the 8th August 1895.

From Captain E. C. TOWNSEND, Deputy Commissioner, Pakôkku, to the Commissioner of the Southern Division,—No. 286-15F., dated the 7th August 1895.

I HAVE the honour to submit herewith, to be forwarded to the Conservator of Forests, Western Circle, the Forest Annual Progress Report for the Yaw Division for the year 1894-95, received with Deputy Conservator of Forests' letter No. 310-33K., dated the 1st August 1895.

I have been so short a time in this district that I do not feel competent to pass remarks on the general administration of forest affairs. The vexed question of the prevention of illicit cutch manufacture is perhaps the most important one at present. There is no doubt that in parts of this district a considerable amount of cutch is produced on land not at the disposal of the State, but it is true, as the Deputy Conservator points out, that the people take advantage of this by establishing their camps on private land and felling cutch trees on waste land. This is very difficult to prevent. The necessity of assisting in the detection and punishment of forest offences has been pointed out to civil officers and is understood by them. The Assistant Superintendent of Police, Gangaw, has done much to supply the want felt by the Deputy Conservator of Forests through the paucity of officers of his department in this subdivision. The Deputy Conservator reports that in four prosecutions for illicit manufacture of cutch the accused were acquitted "as the prosecu-"tion failed to prove that the land on which the trees were felled was Government waste." The correct procedure to be followed when the defence set up is that the land is private property has been pointed out to all Criminal Courts, who have been directed to refer such claims for a decision by a competent Revenue Court. In accordance with your orders steps will also shortly be taken to declare State under section 24 (1), Upper Burma Land and Revenue Regulation, all waste lands "*in the vicinity of villages*" in cutch-bearing localities. The onus of proving their right over the land will then lie with the accused in prosecutions for illicit manufacture of cutch.

Note by Lieutenant-Colonel C H. E. Adamson, C.I.E., Commissioner, Southern Division.

THE words "in the vicinity of villages" have since been deleted.

Endorsement by D. NORTON, Esq., Commissioner of the Eastern Division, on the Annual Report of the Yaw Forest Division for 1894-95,—No. 3717-5F.—3, dated the 24th August 1895.

READ and forwarded.

Not very much of this report concerns the Eastern division. Cross jurisdictions are a nuisance and make it difficult for the Commissioner to keep in touch with officers of the departments of Forests, Public Works, and Education. Cross jurisdictions are the rule in Burma, they are exceptional elsewhere.

Extract from Yaw Division Report, with Deputy Commissioner's marginal remarks.

* * *

There can be no doubt that in nine cases out of ten the people cut trees on Government land outside their own, and, when camps are scattered all over the Myingyan district, and over three townships of the Pakôkku district, it is not only difficult but impossible to check the practice. Punishments in cases taken to Court have been by no means light; the principal offenders have been heavily fined, but it does not seem to have any deterrent effect.

I THINK the local Forest Officers might take more trouble to work up these cases. The local Magistrates cannot be expected to do it all themselves.

B. HOUGHTON,
Dy. Commr, Myingyan.

WITH reference to this remark it should be noted that there is no local Forest Officer in Myingyan.

F. B. DICKINSON,
Conservator of Forests.

* * *

THIS rule undoubtedly militates most severely against the detection of illicit boiling.

B. HOUGHTON,
Dy. Commr, Myingyan.

The people in the Myingyan district have commenced boiling the bark of the *than* tree, no doubt for the purpose of adulterating cutch. They have probably swept the district of cutch trees and are now taking to the *than*, but the same difficulty obtains with regard to this tree, as the rules only prohibit the cooking of the thansha from trees on land at the disposal of Government. The effect of this will no doubt be felt in the cutch market in another year or so.

* * *

46. Mr. C. L. Toussaint, Deputy Conservator of Forests, held charge of the division throughout the year.

I think he might find time to visit this district more often than he does.

B HOUGHTON,
Dy. Commr., Myingyan.

Endorsement by W. H DAWSON, Esq, Deputy Commissioner, Magwe, on the Annual Report of the Minbu Forest Division for 1894-95,—No. 1488, dated the 20th July 1895.

FORWARDED. Having only very recently joined the district, I am not in a position to make any notes on this report.

Endorsement by Captain T. G. JOHNSON, Deputy Commissioner, Minbu, on the Annual Report of the Minbu Forest Division for 1894-95,—No. 2461, dated the 27th July 1895.

FORWARDED.

1. A great deal of good work has been done during the year towards a better preservation of the reserves and towards the further development of the forest resources of the Minbu district.

2. The cutch question remains still in abeyance. If the issue as to whether the land is *bobabaing* or not is to be decided by the Collector, serious delays must occur. No such cases have come up in the Minbu district during the year of report. I am for issuing cutch licenses freely and not restricting them. The more you restrict licenses the more unlicensed cutch-boiling difficult to detect you will have, especially in such tract as the Ngapè township.

3. I do not agree with the Deputy Conservator that the two forest fires he refers to in the Minbu district are ascribable to incendiarism (1) by cutch-boilers (2) by villagers. His opinion has no basis at all and is merely a supposition. The *presumption* is that they were due to accident.

Note by F B. Dickinson, Esq, Conservator of Forests, Western Circle
IN one case, however, the villagers refused to come out to help extinguish the fire when called on to do so, although bound by law to do so. They ought to be made to understand their obligations in this respect.

4. The country south of the Man up to the Thayetmyo borders and east of the Nwamadaung might be examined with a view to reserves I have come across a good deal of *pyinma* in this tract; the flower is somewhat different to that of the Moulmein *pyinma* and the Burmans call it by another name.

5. Steps have been taken to render the journey up to the Sidoktaya township less irksome. A rest-house has been built at Kanswè and two *sayats* are under course of construction between Kanswè and Sidôktaya

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Remarks by Lieutenant-Colonel C H E. ADAMSON, C.I E., Commissioner of the Southern Division, on the Annual Report of the Minbu Forest Division for 1894-95,—No. 3984-37E, dated the 8th August 1895.

FORWARDED to the Conservator of Forests, Western Circle, Mandalay. In my opinion if Deputy Commissioners were to declare the whole of the area in each village tract to be State land under section 24 (1) of the Upper Burma Village Regulation, except such areas as they know to be bobabaing, and if such declarations were properly published in each village through the thugyi, the bobabaing question would soon be solved.

The amended Regulation now fixes one year from the date of such declaration as time within which an appeal against such declaration may be preferred After one year from the date of declaration there would be no longer any difficulty for a Collector by looking at his register to state at once whether such land had been *claimed* as bobabaing or not.

The vast majority of cases would be easily disposed of by the Collector and the remainder involving more difficult questions might remain undecided for the present, the fact that they had been claimed as bobabaing being placed on record. The real difficulty

with regard to bobabaing cutch is not when a man claims as bobabaing a piece of land adjoining his cultivation, but when he claims square miles of land.

These latter claims can generally be quickly decided. The small quantity growing on doubtful lands adjoining cultivation is not worth fighting about.

The question of the rate of tax to be levied on bamboos has been under consideration during the year, and the Deputy Conservator recommends that an *ad valorem* duty should be levied. This is done in Pakôkku and works smoothly. I do not see why it should not be introduced into other districts.

G. B. C P. O.—No. 6771, B. S., 2-1-96—320.